

**MOORPARK CITY COUNCIL
AGENDA REPORT**

TO: The Honorable City Council

FROM: Jeremy Laurentowski, Parks and Recreation Director *SL*

BY: Jessica Sandifer, Senior Management Analyst *JS*

DATE: January 14, 2016 (CC Meeting of January 20, 2016)

SUBJECT: Consider Revised Plans and Specifications and Project Approval and Authorization to Advertise for Bids for the Recreational Trail System at Arroyo Vista Community Park (AVCP) (CIP Projects 7852)

BACKGROUND

For several years, the Parks and Recreation Commission and the City Council have discussed the need for a recreation trail system at Arroyo Vista Community Park (AVCP). On May 15, 2013, the City Council adopted the City of Moorpark Mission Statement, Priorities, Goals, and Objectives for FY 2013/2014, which included the following Departmental Goals and Objectives that coincide with the Council's desire for a recreational trail system at AVCP:

- VII. A. 20. Develop a conceptual plan and cost estimates for a formal walking path around the perimeter of Arroyo Vista Community Park.*
- 26. Develop conceptual design plan and cost estimates for widening the access road within Arroyo Vista Community Park (AVCP) to accommodate bike lanes/paths and sidewalks.*
- VI. C. 2. Install outdoor fitness equipment at one or more parks.*

On October 2, 2013 the City Council approved a conceptual plan for a proposed recreational trail system at Arroyo Vista Community Park (AVRC) and on November 20, 2013, Penfield and Smith was hired to prepare the plans and specifications for the Recreational Trail Improvements at AVRC.

On February 5, 2014, the City Council approved the project plans and specifications in order for staff to apply for the Land and Water Conservation Fund Grant.

DISCUSSION

The City Council will recall that the plan incorporates a safe route of travel for both pedestrians and bicyclists from the existing pedestrian bridge at the east end of the park, to the Arroyo Vista Recreation Center. Approximately 17 new parking spaces will be added to the park. The design was able to accommodate a separated bicycle path and pedestrian walkway along the entire length of the portion of the trail system that parallels the access road, from the east end of the park to the west, separated by lodge pole fencing on both sides of the bicycle path. Internally, the proposed trail system will incorporate an approximate one mile fitness loop around the perimeter of AVCP, with exercise stations set along the route.

The design proposes the use of permeable concrete in the new parking areas, permeable asphalt for the bicycle trail, concrete for the sidewalks and decomposed granite paving for the surface material of the loop trail. The use of permeable pavement minimizes the storm water retention requirements of this project and increases the amount of storm water that will infiltrate back into the groundwater supply. The design proposes the creation of a detention basin at Parking Lot B to capture the portion of runoff from the non-permeable surfaces, such as the proposed concrete sidewalks, as well as existing surfaces, such as the asphalt parking lots and access road. In addition, the design provides for ADA compliant walkways to the softball fields and other open turf areas throughout the park.

On February 5, 2014, the City Council approved the project plans and specifications for the recreational trail project and other improvements. However, since that time, the City Council has approved various additions to the project. These additions include additional parking adjacent to Parking Lot D; modifications to the Countrywood Drive corner to create a safer entry and exit out of the park for vehicles, pedestrians and cyclists; the addition of lighting along the trail, access road and Parking Lots C and D; as well as landscaping for the various areas of improvements. Each project modification is discussed in more detail below.

- Entryway Modifications at the Intersection of Tierra Rejada Road and Countrywood Drive: The vehicular exit at AVCP, just east of the intersection of Countrywood Drive and Tierra Rejada Road, consists of a left turn lane and a combination through/right turn lane. During times of heavy traffic, vehicular stacking in the left turn lane prevents traffic from making a right turn onto the northbound lanes on Tierra Rejada Road. In addition, the bicycle path in both the east and west direction along the AVCP access road starts/stops just west of the football stadium. In order to provide a complete trail connection from Tierra Rejada Road to the pedestrian bridge at the east end of AVCP, staff hired a civil engineer to prepare plans to modify the entrance to Arroyo Vista Park at the corner of Tierra Rejada Road and Countrywood Drive. On March 4, 2015, City Council authorized funding for this additional design and engineering work.

- Additional Parking Area at the East End of the Park: Parking is often a premium at AVCP, especially during the seasons when various sports leagues utilize the park. Currently, AVCP has 451 parking spaces that offer access to the park and field areas. This does not include Parking Lot A that is located directly adjacent to AVRC or the open areas on the north side of the access road. Parking Lot A offers access primarily to AVRC, the gym, the multi-use court and the tennis courts. The north side of the access road is not being considered for improvements at this time. The improvement plans that were prepared for the trail project will increase the parking by 30 spaces, for a total parking allocation of 481 spaces. However, even with the planned future increase in parking spaces, AVCP will still be relatively full on a normal weekend during soccer season, or during other special events planned at the park. Staff identified an area at the east end of the park, adjacent to Parking Lot D that can accommodate an additional 60 parking spaces, without impacting the adjacent athletic fields. Staff had the Civil Engineer design this additional parking area. The parking area will include a (pervious surface or biofiltration) area to retain additional stormwater runoff on site. On October 7, 2015, the City Council authorized funding for this additional design and engineering work.
- Pathway and Parking Lot Lighting: The plans for the Recreational Trail did not originally include lighting for the loop trail, the vehicular access road, or Parking Lots C and D. However, in order to allow residents to utilize the trail and other park uses during the evening hours, particularly during daylight savings time, staff believes that lighting should be included in the overall project. The lighting plans include a centralized lighting timer that will be scheduled to turn off when the park closes at 10:00 p.m. The Lighting work was approved by the City Council as a part of the Fiscal Year 2014-15 Capital Improvement Project budget.
- Landscaping Plans and Entry Monument: Staff hired a landscape architect to prepare landscape plans and specifications for the recreational trail, the new parking areas, infiltration basin, and modifications to the existing irrigation system for these new landscape areas. In addition, a landscape architect was also hired to prepare landscape plans and specifications for Parking lot A. The project includes the design of a monument sign identifying the location of AVCP and AVRC. AVCP is the only park that does not have a monument sign identifying its location. Currently, there is a small monument sign that is visible on the west side of the access road, but it is not visible until after you have exited off of Tierra Rejada Road. On August 19, 2015, the City Council authorized funding for the design of the landscape plans and specifications.

The plans and specifications for the revised project have been made available for City Council review in the large conference room at City Hall. A copy is also attached to this staff report for public review.

FISCAL IMPACT

The engineers estimated cost to complete the project as originally designed is \$1.6 million inclusive of a 10% contingency. The additional modifications increase the project cost as follows:

• Entryway Modifications at Countrywood Drive:	\$ 225,000
• Additional Parking Area at Parking Lot D:	\$ 305,000
• Pathway and Parking Lot Lighting:	\$ 795,000
• Landscape Plans and Entry Monument:	<u>\$ 405,000</u>
Sub-Total:	\$1,730,000

The total revised project cost including the additional items is \$3,300,000. To date, a TDA Article 3 grant has been secured from the state in the amount of \$132,000 for the pedestrian/bike path improvements from the pedestrian bridge to Arroyo Vista Recreation Center. Staff has also received an LWCF grant from the State Parks Department in the amount of \$500,000. It is proposed that the remaining project costs will be allocated from a percentage of the General Fund (Fund 1000) as well as the Traffic System Management Fund (TSM) (Fund 2001). Staff will evaluate these funding options and return to City Council once the bids have been received.

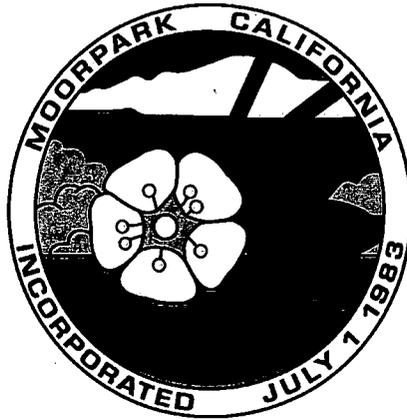
ENVIRONMENTAL DOCUMENTATION

As this project involves the installation of hardscape, low-level lighting, and fitness equipment in an existing park, and there is no reasonable possibility that it would result in a significant effect on the environment, either individually or cumulatively. In consideration of other reasonably foreseeable projects, it is the Community Development Director's determination that the project is categorically exempt from environmental review under the California Environmental Quality Act (CEQA) pursuant to Sections 15301 (Existing Facilities) and 15304 (Minor Alterations to Land) of the CEQA Guidelines. If this project is approved, staff will file a Notice of Exemption with the County Clerk.

STAFF RECOMMENDATION

1. Approve the revised plans and specifications for the recreational trail system project at Arroyo Vista Community Park; and
2. Authorize staff to advertise for bids.

Attachment – Project Plans and Specifications



Project Manual

and

Specifications

**RECREATIONAL TRAIL PROJECT
ARROYO VISTA COMMUNITY PARK
4550 Tierra Rejada Road
Moorpark, California**

**Bid Due Date and time:
XXXX , XXXXXX, 2015 at XX:00AM**

Specification No.P&R-16-001

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**** FORMS TO BE SUBMITTED WITH BID**

Instruction to Bidders

THE CITY OF MOORPARK IS REQUESTING BIDS FOR CONSTRUCTION OF THE RECREATIONAL TRAIL PROJECT AT ARROYO VISTA COMMUNITY PARK LOCATED AT 4550 TIERRA REJADA ROAD, MOORPARK, CA 93021

There will be a **mandatory pre-bid conference and site walk** held on XXXX, XXXXX, 2015 at XX:00 AM at 4550 Tierra Rejada Road, Moorpark CA. Potential bidders are required to attend this meeting. Failure to attend the mandatory pre-bid meeting will result in a bidder's proposal being rejected as non-responsive.

BID SUBMITTAL: Each bid must be submitted on the Bid Forms provided in the bid package. All blanks in the Bid Form must be filled in and all prices must be stated in both words and figures. It is the sole responsibility of the bidder to see that the bid is delivered to the proper place and received at the proper time. Any bid received after the scheduled closing time for receipt of bids will be returned to the bidder unopened. All bid forms must be sealed and delivered before XX:00AM on XXXXX, 2015 to the following address (postmarks will not be accepted):

City Clerk's Office
City of Moorpark
799 Moorpark Avenue
Moorpark, CA 93021

NOTE: Please mark the outside of the envelope:

**Sealed Bid for
Recreational Trail Project at Arroyo Vista Community Park
4550 Tierra Rejada Road
Moorpark, CA 93021**

DO NOT OPEN WITH REGULAR MAIL

Bidders shall submit one complete set of the Bid Forms and all required attachments. No proposal received after the time specified or at any place other than the place stated above will be considered. All bids will be opened and declared publicly. The official bid clock, which will establish the official bid time, will be determined by the City Clerk's Division of the City of Moorpark. Bidders or their representatives are invited to be present at the opening of the bids.

No individual or business entity of any kind shall be allowed to make or file, or to be interested in more than one bid, except an alternative bid when specifically requested. An individual or business entity which has submitted a sub-proposal to a bidder submitting a proposal, or who has quoted prices on materials to such bidder, is not thereby disqualified from submitting a sub-proposal or from quoting prices to other bidders submitting proposals.

Instructions to Bidders (continued)

A bidder may withdraw the proposal, without prejudice prior to the time specified for the bid opening, by submitting a written request to the City for its withdrawal, in which event the proposal will be returned to the bidder unopened. Changes in or additions to the Bid Form, recapitulations of the work bid upon, alternative proposals, or any other modification or deviation of the Bid Form which is not specifically called for in the Contract Documents may result in the City's rejection of the bid as being non-responsive. Non-substantial deviations may be permitted provided that the bidder submits a full description and explanation of, and justifications for, the proposed deviations. Final determination of any proposed deviation will be made solely by the City.

BID FORMS: The bid must be accompanied by certified check, cashier's check, or bidder's bond, made payable to the City of Moorpark for an amount no less than ten percent (10%) of the total bid amount, as a guarantee that the bidder, if its bid is accepted, will promptly obtain the required bonds and insurance and will prepare the required submittal documents and execute the contract. The Bid Bonds for those bids that were not selected will be returned to the Bidders upon award of the contract by the City Council.

The bidder to whom award is made shall execute a written contract with the City within fourteen (14) calendar days after notice of the award has been sent by mail to the address given in the proposal. The contract shall be made in the form adopted by the City and incorporated in these specifications. The bidder warrants that he/she possesses, or has arranged through subcontracts, all capital and other equipment, labor and materials to carry out and complete the work hereunder in compliance with all applicable Federal, State, City, and Special District laws, ordinances, and regulations.

If the bidder to whom the award is made fails to enter into the contract, the award will be annulled; any bid security will be forfeited; and an award may be made to the next lowest responsible bidder who shall fulfill every term and condition of the bid as if he/she were party to whom the first award was made.

Contractor must be registered with the California Department of Industrial Relations (DIR) pursuant to SB 854. Proof of registration must be provided or the Contractor's bid will not be accepted.

BIDDER QUESTIONS: If you discover any error, omission, ambiguity, or conflict, in the plans or specifications or have any questions concerning the bidding documents or proposal forms contact the City's Project Representative via e-mail:

Jessica Sandifer, Senior Management Analyst
City of Moorpark
799 Moorpark Avenue, Moorpark, CA 93021
jsandifer@moorparkca.gov

Instructions to Bidders (continued)

Please do not call other staff members or consultants. If a prospective bidder is in doubt or has any questions as to the true meaning or intent of any part of the Bid package, or discovers discrepancies, errors, or conflicts, or omissions, he/she may submit, to the above Project Representative, a written request for an interpretation or a correction thereof. Interpretations or corrections shall be made only by addendum duly issued by the City. A copy of such addendum will be mailed, faxed, or delivered to each person receiving a set of the Contract Documents and such addendum shall be considered a part of, and incorporated in, the Contract Documents. Questions must be received in writing no later than 96 hours prior to the bid deadline in order to provide the City sufficient time to evaluate the question and respond no later than 72 hours prior to the bid deadline. Questions received after the 96 hour deadline will be deemed not received.

All requests for information (regarding the bid) submitted in writing by the deadline will receive a written response from the City. Telephone communications with City Staff will not be permitted. Any oral communication shall not be binding on the City.

BIDS QUOTES AND UNIT PRICING: The individual project prices should be bid as lump sum prices and must be entered in figures in the spaces provided on the Bid Submission Form(s). The total bid sum shall be stated in figures. The Bid Submission Form(s) must be totally completed. Unit prices, if requested, should be added as Appendix A and are to be used only for changes to the contract.

EVALUATION OF BIDS AND AWARD: The City reserves the right to retain all bids for a period of 90 calendar days for examination and comparison, and to delete or add any alternates to/from the contract. Bidders shall guarantee the bid prices for said 90 day period to facilitate City evaluation of the bids. Each bidder shall meet all of the specifications and bid terms and conditions. By virtue of the bid submission and acceptance of the bid award, the bidder acknowledges full understanding of, and agreement with, and acceptance of all provisions of the plans, specifications and contract documents. The City reserves the right to waive non-substantial irregularities in any bid, to reject any or all proposals, to reject or delete one part of a proposal and accept the other, except to the extent that the bids are qualified by specific limitations given by the City, and to make award to the lowest responsible bidder as the interest of the City may require.

In addition to the information required by the bid documents, the City may request evidence from a bidder, whose bid is under consideration for award, reasonable evidence showing that bidder's financial resources, construction experience, and organization and plant facilities are sufficient for performance of the contract.

BID PROPOSAL

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

**CITY OF MOORPARK
MOORPARK, CALIFORNIA**

**Recreational Trail Project Arroyo Vista Community Park
Moorpark, California
Bids to Be Received – XXXXXX, XXXX, 2015, by XX:00AM**

CONTRACTOR

Name _____

Street Address _____

City _____ State _____ Zip Code _____

Telephone Number _____
Contractor's License No _____ Class _____, Expiration Date _____

The undersigned swears under penalty of perjury that the information regarding the Contractor's License is true and correct.

Signature of Bidder _____
Title _____

BID SCHEDULE:

It is understood that the lump sum bid includes without limitation, all expenses, permits, taxes, royalties, and fees associated with the work described within these bid documents. THE CITY RESERVES THE RIGHT TO INCREASE OR DECREASE THE CONTRACT.

- 1. Recreational Trail (\$ _____)
- 2. Landscape Improvements (\$ _____)
- 3. Lighting Improvements (\$ _____)
- 4. Countrywood Entrance Modification (\$ _____)
- 5. Eastern Parking Area Addition (\$ _____)

TOTAL BID \$ _____

dollars and _____ cents

WRITE OUT TOTAL BID ON THIS LINE

Number of calendar days for completion: **120**

BID PROPOSAL (continued)

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

Bid Due Date/Time: XXXXX, XXXXX, 2015 at XX:00AM

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into Contract with the City of Moorpark to perform the Work as specified or indicated in said Contract Documents entitled: *Recreational Trail at Arroyo Vista Community Park*

Bidder accepts all of the terms and conditions of the Contract Documents, including without limitations, those in the Notice Inviting Bids, Instructions to Bidders, General Conditions, Special Conditions, and Technical Specifications.

This Bid will remain open for the period stated in the Notice Inviting Bids. By signing this bid proposal, the Bidder agrees to enter into a Contract within the time and in the manner as required in the Notice Inviting Bids. **Bidder understands that by submitting this bid, bidder is agreeing to furnish the insurance certificates, endorsements, and Bonds as required by the Contract Documents. Contractor understands that failure to provide the insurance certificates, endorsements and bonds will cause City to terminate the bid award and award the bid to the next lowest bidder.**

Bidder has examined copies of all the Contract Documents through and inclusive of the following Bid Addenda (receipt of which is hereby acknowledged):

Bid Addenda Number: _____ Date: _____

Bid Addenda Number: _____ Date: _____

Bidder has familiarized themselves with the nature and extent of the Contract Documents, the Work, the site together with the surrounding environment and locality, the legal requirements involved (including all applicable federal, state and local laws, ordinances, rules, regulations, codes, etc.) and the conditions affecting costs, progress or performance of the Work and has made such independent investigations as Bidder deems necessary.

To all the foregoing said Bidder further agrees to complete the Work required under the Contract Documents within the Contract Time stipulated within the Contract Documents, and to accept in full payment therefore the Contract Price named in the aforementioned Bid Schedule(s).

The bid must be signed in the name of the bidder and must bear the signature in longhand of the person duly authorized to sign for the Contractor.

Bidder: _____

By: _____
(Signature — Authorized Representative)

Title: _____ Dated: _____

NON-COLLUSION DECLARATION

TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106, the undersigned declares:

I am the _____ of _____, the party making the foregoing bid. The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____ [date], at _____ [city], _____ [state].

Name of Bidder

Signature of Bidder

Address of Bidder

ALL SIGNATURES MUST BE WITNESSED BY NOTARY
(attach appropriate executed form)

(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS BID SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS WHICH ARE A PART OF THIS BID)

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder _____,
proposed subcontractor _____,
hereby certifies that he has _____, has not _____, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, and manager:

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions. The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

NONLOBBYING CERTIFICATION FOR FEDERAL-AID CONTRACTS

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

- (2) If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such sub recipients shall certify and disclose accordingly.

DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

<p>1. Type of Federal Action:</p> <p><input type="checkbox"/> a. contract</p> <p><input type="checkbox"/> b. grant</p> <p><input type="checkbox"/> c. cooperative agreement</p> <p><input type="checkbox"/> d. loan</p> <p><input type="checkbox"/> e. loan guarantee</p> <p><input type="checkbox"/> f. loan insurance</p>	<p>2. Status of Federal Action:</p> <p><input type="checkbox"/> a. bid/offer/application</p> <p><input type="checkbox"/> b. initial award</p> <p><input type="checkbox"/> c. post-award</p>	<p>3. Report Type:</p> <p><input type="checkbox"/> a. initial</p> <p><input type="checkbox"/> b. material change</p> <p style="text-align: right;">For Material Change Only:</p> <p style="text-align: right;">year _____ quarter _____</p> <p style="text-align: right;">date of last report _____</p>
<p>4. Name and Address of Reporting Entity</p> <p><input type="checkbox"/> Prime <input type="checkbox"/> Subawardee</p> <p style="padding-left: 100px;">Tier _____, if known</p> <p style="padding-left: 40px;">Congressional District, if known</p>	<p>5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</p> <p style="padding-left: 40px;">Congressional District, if known</p>	
<p>6. Federal Department/Agency:</p>	<p>7. Federal Program Name/Description:</p> <p style="padding-left: 40px;">CFDA Number, if applicable _____</p>	
<p>8. Federal Action Number, if known:</p>	<p>9. Award Amount, if known:</p>	
<p>10. a. Name and Address of Lobby Entity (If individual, last name, first name, MI)</p>	<p>b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI)</p>	
(attach Continuation Sheet(s) if necessary)		
<p>11. Amount of Payment (check all that apply)</p> <p>\$ _____ <input type="checkbox"/> actual <input type="checkbox"/> planned</p>	<p>13. Type of Payment (check all that apply)</p> <p><input type="checkbox"/> a. retainer</p> <p><input type="checkbox"/> b. one-time fee</p> <p><input type="checkbox"/> c. commission</p> <p><input type="checkbox"/> d. contingent fee</p> <p><input type="checkbox"/> e. deferred</p> <p><input type="checkbox"/> f. other, specify _____</p>	
<p>12. Form of Payment (check all that apply):</p> <p><input type="checkbox"/> a. cash</p> <p><input type="checkbox"/> b. in-kind; specify: nature _____ value _____</p>		
<p>14. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 11:</p> <p style="text-align: center;">(attach Continuation Sheet(s) if necessary)</p>		
<p>15. Continuation Sheet(s) attached: Yes <input type="checkbox"/> No <input type="checkbox"/></p>		
<p>16. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</p>		
		<p>Signature: _____</p> <p>Print Name: _____</p> <p>Title: _____</p> <p>Telephone No.: _____ Date: _____</p>
<p>Federal Use Only:</p>		<p>Authorized for Local Reproduction Standard Form - LLL</p>

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient, at the initiation or receipt of covered federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered federal action.
2. Identify the status of the covered federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, State and zip code of the prime federal recipient. Include Congressional District, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the federal program name or description for the covered federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate federal identifying number available for the federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant or loan award number, the application/proposal control number assigned by the federal agency). Include prefixes, e.g., "RFP-DE-90-001."

9. For a covered federal action where there has been an award or loan commitment by the Federal agency, enter the federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered federal action.
(b) Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with federal officials. Identify the federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
15. Check whether or not a continuation sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

BID BOND

(in lieu of certified or cashier's check)

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

KNOW ALL PERSONS BY THESE PRESENTS:

That we, _____, as Principal, and _____, as Surety, acknowledge ourselves jointly and severally bound to the City of Moorpark, the obligee, for ten percent (10%) of the total bid, to be paid to said City if the Proposal shall be accepted and the Principal shall fail to execute the contract tendered by the City within the applicable time specified in the Bid Terms and Conditions, or fails to furnish either the required Faithful Performance or Labor and Material Bonds, or fails to furnish evidence of insurance as required in the Standard Specifications, then this obligation shall become due and payable, and Surety shall pay to obligee, in case suit is brought upon this bond in addition to the bond amount hereof, court costs and a reasonable attorney's fee to be fixed by the court. If the Principal executes the contract and furnishes the required bonds and evidence of insurance as provided in the contract documents, this bond shall be extinguished and released. It is hereby agreed that bid errors shall not constitute a defense to forfeiture.

WITNESS our hands this ____ day of _____, 2015.

Contractor _____

By _____

Title _____

By _____

Title _____

Surety _____

By _____

ALL SIGNATURES MUST BE WITNESSED BY NOTARY
(attach appropriate executed form)

STATEMENT OF BIDDER'S QUALIFICATIONS AND REFERENCES

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

The bidder is required to state the bidder's financial ability and a general description of similar work performed.

Required Qualifications: Bidders must hold a valid State of California Contractor's license at the time the bid is submitted to the City. For this job the City has determined that the bidding Contractor is required to have an A Contractor's license. Bidder must have satisfactorily completed at least three projects in the last ten years of comparable size and scope of this project. Bidder must also demonstrate experience with the installation of California native plant material. In addition to the three projects required, list at least one project that included native plant material installation.

Number of years engaged in business under the present business name: _____

Attach additional pages if required to show the necessary experience. The City reserves the right to contact each of the references listed for additional information regarding your firm's qualifications.

Project 1 Name/ Number _____

Project Description _____

Approximate Construction Dates From: _____ To: _____

Agency Name: _____

Contact Person: _____ **Telephone:** _____

Address: _____

Original Contract Amount: \$ _____ **Final Contract Amount:** \$ _____

If final amount is different from original amount, please explain (change orders, extra work, etc.)

Did you file any claims against the Agency? Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 2 Name/ Number _____

Project Description _____

Approximate Construction Dates **From:** _____ **To:** _____

Agency Name: _____

Contact Person: _____ **Telephone:** _____

Address: _____

Original Contract Amount: \$ _____ **Final Contract Amount: \$** _____

If final amount is different from original amount, please explain (change orders, extra work, etc.)

Did you file any claims against the Agency? Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 3 Name/ Number _____

Project Description _____

Approximate Construction Dates **From:** _____ **To:** _____

Agency Name: _____

Contact Person: _____ **Telephone:** _____

Address: _____

Original Contract Amount: \$ _____ **Final Contract Amount: \$** _____

If final amount is different from original amount, please explain (change orders, extra work, etc.)

Did you file any claims against the Agency? Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

Project 4 Name/ Number _____

Project Description _____

Approximate Construction Dates From: _____ To: _____

Agency Name: _____

Contact Person: _____ **Telephone:** _____

Address: _____

Original Contract Amount: \$ _____ **Final Contract Amount: \$** _____

If final amount is different from original amount, please explain (change orders, extra work, etc.)

Did you file any claims against the Agency? Circle one: Yes No

Did the Agency file any claims against you? Circle one: Yes No

If you answered yes to either of the above two questions, please explain and indicate outcome of claims.

STATEMENT OF BIDDER'S QUALIFICATIONS AND REFERENCES

(Cont'd)

STATE OF CALIFORNIA, COUNTY OF _____

I am the _____

Of _____,

the bidder herein. I have read the foregoing statement and know the contents thereof; and I certify that the same is true to my knowledge, except as to those matters which are therein stated upon my information or belief, and as to those matters I believe it to be true.

Executed on _____ at _____, California.
(date) (place)

I declare, under penalty of perjury, that the foregoing is true and correct.

Signature of Bidder

Title

Signature of Bidder

Title

QUESTIONNAIRE REGARDING SUBCONTRACTORS

Bidder shall answer the following questions and submit with the proposal.

- 1. Were bid depository or registry services used in obtaining subcontractor bid figures in order to compute your bid? Yes()
No ()
- 2. If the answer to No. 1 is "yes", please forward a copy of the rules of each bid depository you used with this questionnaire.
- 3. Did you have any source of subcontractors' bids other than bid depositories? Yes ()
No ()
- 4. Has any person or group threatened you with subcontractor boycotts, union boycotts or other sanctions to attempt to convince you to use the services or abide by the rules of one or more bid depositories? Yes ()
No ()
- 5. If the answer to No. 4 is "yes", please explain the following details:
 - (a) Date:
 - (b) Name of person or group:
 - (c) Job involved (if applicable):
 - (d) Nature of threats:
 - (e) Additional comments: (Use additional paper if necessary)

We declare under penalty of perjury that the foregoing is true and correct.

Dated this _____ day of _____, 2015

Name of Company

By _____

Title

By _____

Title

**COMPLIANCE WITH ENVIRONMENTAL, HEALTH
AND SAFETY STANDARDS**

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

The Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) prohibits employers from knowingly discharging or releasing a chemical known to the State of California to cause concern, birth defects or other reproductive harm into water or onto land where such chemical passes or, in all probability, will pass into any source of drinking water. Notwithstanding any provision in this Act exempting Contractor, Contractor hereby agrees to comply with all provisions of the Act relating to the discharge of hazardous chemicals on the job site.

Contractor fully agrees that Contractor, Contractor's employees and subcontractors shall not discharge such chemicals on the job site which will result in the discharge of such chemicals, and shall, upon completion of performance of all other duties under this contract, remove all supplies, materials and waste remaining on the job site which if exposed, could result in the discharge of such chemicals. Contractor shall be financially responsible for compliance with Proposition 65.

Contractor shall also comply with state of California anti-smoking laws which, in part, prohibit smoking in the workplace and enclosed areas.

Should Contractor, Contractor's employees, or subcontractors or their employees fail to comply, within 24 hours from the time City issues and Contractor receives a written notice of noncompliance or within the time of an abatement period specified by any government agency, whichever period is shorter, City may give notice of default to Contractor, and at the City's option, elect any and all rights or remedies set forth in this agreement.

Approved by Contractor: _____

Title

Date _____

WORKERS' COMPENSATION INSURANCE CERTIFICATE

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

Sections 1860 and 1861 of the California Labor Code require every contractor to whom a public works contract is awarded to sign and file with the awarding body the following statement:

"I am aware of the Provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Workers' Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract."

By _____

Title: _____

Date: _____

BIDDER'S STATEMENT OF SUBCONTRACTORS

*TO BE EXECUTED
BY BIDDER AND SUBMITTED WITH BID*

Provide a complete list of all Subcontractors who will perform more than 1/2% the value of the total lump sum bid amount¹. *(NOTE: If bidding contractor does not have the appropriate specialty designations as required by these bid documents, than a subcontractor with the appropriate specialty designation must be listed here. Failure to do so may result in the bid being disqualified.)*

Subcontractor Name:	License No:
	Classification:
Subcontractor Address:	Subcontractor Phone:
Type of Work:	Percent Work to be done:
Subcontractor Name:	License No:
	Classification:
Subcontractor Address:	Subcontractor Phone:
Type of Work:	Percent Work to be done:
Subcontractor Name:	License No:
	Classification:
Subcontractor Address:	Subcontractor Phone:
Type of Work:	Percent Work to be done:

(attach more sheets if necessary)

Total Percentage ² _____

Signature(s) of Bidder

Date

¹ Based on contract price

² May not exceed 50% of contract price. See Greenbook Section 2-3.2

**AGREEMENT TO COMPLY WITH CALIFORNIA LABOR LAW REQUIREMENTS
TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID**

[Labor Code §§ 1720, 1775, 1776, 1777.5, 1810, 1813, 1860, 1861, 3700]

The undersigned Contractor certifies that it is aware of and hereby agrees to fully comply with the following provisions of California law:

1. Contractor acknowledges that this contract is subject to the provisions of Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code relating to public works and the awarding Owner ("Owner") and agrees to be bound by all the provisions thereof as though set forth in full herein.

2. Contractor agrees to comply with the provisions of California Labor Code Sections 1774 and 1775 concerning the payment of prevailing rates of wages to workers and the penalties for failure to pay prevailing wages. Contractor shall, as a penalty to Owner, forfeit not more than fifty dollars (\$50) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of Industrial Relations for the work or craft in which the worker is employed for any public work done under the contract by Contractor or by any subcontractor.

3. Contractor agrees to comply with the provisions of California Labor Code Section 1776 which require Contractor and each subcontractor to (1) keep accurate payroll records, (2) certify and make such payroll records available for inspection as provided by Section 1776, and (3) inform Owner of the location of the records. Contractor is responsible for compliance with Section 1776 by itself and all of its subcontractors.

4. Contractor agrees to comply with the provisions of California Labor Code Section 1777.5 concerning the employment of apprentices on public works projects, and further agrees that Contractor is responsible for compliance with Section 1777.5 by itself and all of its subcontractors.

5. Contractor acknowledges that eight (8) hours of labor shall constitute a legal day's work for all workmen employed in the execution of this contract, and the Contractor and any subcontractor under him shall comply with and be governed by the laws of the State of California having to do with working hours set forth in Division 2, Part 7, Chapter 1, Article 3 of the Labor Code of the State of California as amended.

6. Contractor agrees to comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours. Contractor shall, as a penalty to Owner, forfeit twenty-five dollars (\$25) for each worker employed in the execution of the contract by Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 of the California Labor Code.

7. California Labor Code Sections 1860 and 3700 provide that every contractor will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, Contractor hereby certifies as follows:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract."

Signature _____

Date _____

Printed Name _____

Company _____

Title _____

**AGREEMENT BETWEEN THE CITY OF MOORPARK AND
_____, FOR CONSTRUCTION OF THE RECREATIONAL
TRAIL PROJECT AT ARROYO VISTA RECREATION CENTER**

THIS AGREEMENT, is made and effective as of this ____ day of _____, 2015, between the City of Moorpark, a municipal corporation ("City") and _____, a _____ ("Contractor"). In consideration of the mutual covenants and conditions set forth herein, the parties agree as follows:

WHEREAS, City has the need for construction services related to construction of the Recreational Trail Project; and

WHEREAS, Contractor specializes in providing such services and has the proper work experience, certifications, and background to carry out the duties involved; and

WHEREAS, the City Council of the City at a meeting held on the ____ day of _____, 201____, authorized the City Manager to enter into this Agreement after public bidding in accordance with California Public Contract Code Section 20160, et seq.

NOW, THEREFORE, in consideration of the mutual covenants, benefits, and premises herein stated, the parties hereto agree as follows:

1. TERM

The term of the Agreement shall be from the date of execution to completion of the work identified in the Scope of Services and in conformance with Exhibit B, unless this Agreement is terminated or suspended as referred to herein.

2. SCOPE OF SERVICES

City does hereby retain Contractor in a contractual capacity to provide construction services related to construction of the Recreational Trail Project at Arroyo Vista Community Park, as set forth in Exhibit ____: Contractor's Bid Proposal, dated ____, which exhibit is attached hereto and incorporated herein by this reference as though set forth in full and hereinafter referred to as the "Proposal" and as set forth in Exhibit ____, which include (i) Standard Specifications; (ii) Special Provisions; (iii) Workers' Compensation Insurance Certificate (Labor Code 1860 and 1861); (iv) Payment and Performance Bonds; and (v) Insurance Certificate for General Liability and Automobile Liability, attached hereto and incorporated herein by this reference as though set forth in full and hereinafter referred to as Exhibit _____. Where said Scope of Services is modified by this Agreement, or in the event there is a conflict between the provisions of said Scope of Services and this Agreement, the language contained in this Agreement shall take precedence.

Contractor shall perform the tasks described and set forth in Exhibit ____ and Exhibit _____. Contractor shall complete the tasks according to the schedule of performance which is also set forth in Exhibit _____.

Compensation for the services to be performed by Contractor shall be in accordance with Exhibit _____. Compensation shall not exceed the rates or total value of _____ dollars (\$ _____) as stated in Exhibit _____, without a written amendment to the agreement executed by both parties. Payment by City to Contractor shall be as referred to in this Agreement.

City and Contractor acknowledge that this project is a public work to which prevailing wages apply, and that a public work project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations (DIR). Contractor agrees to comply with and be bound by all the terms, rules and regulations described in (a) Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code, including without limitation Labor Code Section 1771 and (b) the rules and regulations established by the DIR implementing such statutes, as though set forth in full herein, including any applicable amendments made thereto during the term of this Agreement. For every subcontractor who will perform work on this project, Contractor shall be responsible for subcontractor's compliance with (a) and (b), and Contractor shall take all necessary actions to ensure subcontractor's compliance. Labor Code Section 1725.5 requires all contractors and subcontractors to annually register with the DIR before bidding or performing on any public work contract.

3. PERFORMANCE

Contractor shall at all times faithfully, competently, and to the best of Contractor's ability, experience, and talent, perform all tasks described herein. Contractor shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing similar services as are required of Contractor hereunder in meeting its obligations under this Agreement.

4. MANAGEMENT

The individual directly responsible for Contractor's overall performance of the Agreement provisions herein above set forth and to serve as principal liaison between City and Contractor shall be _____, and no other individual may be substituted without the prior written approval of the City Manager.

The City's contact person in charge of administration of this Agreement, and to serve as principal liaison between Contractor and City, shall be the City Manager or the City Manager's designee.

5. PAYMENT

The City agrees to pay Contractor monthly, in accordance with the terms and the schedule of payment as set forth in Exhibit _____, attached hereto and

incorporated herein by this reference as though set forth in full, based upon actual time spent on the above tasks. This amount shall not exceed _____ dollars (\$_____) for the total term of the Agreement unless additional payment is approved as provided in this Agreement.

Contractor shall not be compensated for any services rendered in connection with its performance of this Agreement, unless such additional services and compensation are authorized, in advance, in a written amendment to the agreement executed by both parties. The City Manager, if authorized by City Council, may approve additional work not to exceed ten percent (10%) of the amount of the Agreement.

Contractor shall submit invoices monthly for actual services performed. Invoices shall be submitted on or about the first business day of each month, or as soon thereafter as practical, for services provided in the previous month. Payment shall be made within thirty (30) days of receipt of each invoice as to all non-disputed fees. If the City disputes any of Contractor's fees it shall give written notice to Contractor within thirty (30) days of receipt of any disputed fees set forth on the invoice. Contractor shall provide appropriate documentation, as determined by the City, for all reimbursable expenses.

6. TERMINATION OR SUSPENSION WITHOUT CAUSE

The City may at any time, for any reason, with or without cause, suspend, or terminate this Agreement, or any portion hereof, by serving upon the Contractor at least ten (10) days prior written notice. Upon receipt of said notice, the Contractor shall immediately cease all work under this Agreement, unless the notice provides otherwise. If the City suspends or terminates a portion of this Agreement such suspension or termination shall not make void or invalidate the remainder of this Agreement.

The Contractor may terminate this Agreement only by providing City with written notice no less than thirty (30) days in advance of such termination. In the event of such termination, Contractor shall be compensated for such services up to the date of termination. Such compensation for work in progress shall be prorated as to the percentage of progress completed at the date of termination.

If the City Manager or the City Manager's designee determines that the Contractor is in default in the performance of any of the terms or conditions of this Agreement, the City may proceed in the manner set forth in Section 6-4 of the Greenbook.

7. DEFAULT OF CONTRACTOR

The Contractor's failure to comply with the provisions of this Agreement shall constitute a default. In the event that Contractor is in default for cause under the terms of this Agreement, City shall have no obligation or duty to continue compensating Contractor for any work performed after the date of default and can terminate this

Agreement immediately by written notice to the Contractor. If such failure by the Contractor to make progress in the performance of work hereunder arises out of causes beyond the Contractor's control, and without fault or negligence of the Contractor, it shall not be considered a default.

If the City Manager or the City Manager's designee determines that the Contractor is in default in the performance of any of the terms or conditions of this Agreement, he/she shall cause to be served upon the Contractor a written notice of the default. The Contractor shall have five (5) working days after service upon it of said notice in which to cure the default by rendering a satisfactory performance. In the event that the Contractor fails to cure its default within such period of time, the City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice to any other remedy to which it may be entitled at law, in equity or under this Agreement.

8. LIQUIDATED DAMAGES

If the Contractor fails to complete the work, or any portion thereof, within the time period required by this Agreement or as duly extended in writing by the City Manager, Contractor shall forfeit and pay to the City, as liquidated damages, the sum of five hundred dollars (\$500) per day for each calendar day the work, or portion thereof, remains uncompleted after the above specified completion date. Liquidated damages shall be deducted from any payments due or to become due to the Contractor under the terms of this Agreement [Government Code Sec. 53069.85]. Progress payments made by the City after the above specified completion date shall not constitute a waiver of liquidated damages by the City.

9. OWNERSHIP OF DOCUMENTS

Contractor shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by City that relate to the performance of services under this Agreement. Contractor shall maintain adequate records of services provided in sufficient detail to permit an evaluation of services. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. Contractor shall provide free access to the representatives of City or its designees at reasonable times to such books and records; shall give the City the right to examine and audit said books and records; shall permit City to make transcripts therefrom as necessary; and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement. Notification of audit shall be provided at least thirty (30) days before any such audit is conducted. Such records, together with supporting documents, shall be maintained for a period of ten (10) years after receipt of final payment.

Upon completion of, or in the event of termination or suspension of this Agreement, all original documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared in the course of providing the services to

be performed pursuant to this Agreement shall become the sole property of the City and may be used, reused, or otherwise disposed of by the City without the permission of the Contractor. With respect to computer files, Contractor shall make available to the City, at the Contractor's office and upon reasonable written request by the City, the necessary computer software and hardware for purposes of accessing, compiling, transferring, and printing computer files.

10. INDEMNIFICATION AND HOLD HARMLESS

Contractor shall indemnify, defend with legal counsel approved by City, and hold harmless City, its officers, officials, employees and volunteers from and against all liability, loss, damage, expense, cost (including without limitation reasonable legal counsels' fees, expert fees and all other costs and fees of litigation) of every nature arising out of or in connection with Contractor's negligence, recklessness or willful misconduct in the performance of work hereunder or its failure to comply with any of its obligations contained in this agreement, except such loss or damage which is caused by the sole or active negligence or willful misconduct of the City. Should conflict of interest principles preclude a single legal counsel from representing both City and Contractor, or should City otherwise find Contractor's legal counsel unacceptable, then Contractor shall reimburse the City its costs of defense, including without limitation reasonable legal counsels fees, expert fees and all other costs and fees of litigation. The Contractor shall promptly pay any final judgment rendered against the City (and its officers, officials, employees and volunteers) with respect to claims determined by a trier of fact to have been the result of the Contractor's negligent, reckless or wrongful performance. It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the state of California and will survive termination of this Agreement.

Contractor obligations under this section apply regardless of whether or not such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnatee. However, without affecting the rights of City under any provision of this agreement, Contractor shall not be required to indemnify and hold harmless City for liability attributable to the active negligence of City, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where City is shown to have been actively negligent and where City active negligence accounts for only a percentage of the liability involved, the obligation of Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of City.

Contractor agrees to obtain executed indemnity agreements with provisions identical to those set forth here in this Section from each and every subcontractor or any other person or entity involved by, for, with, or on behalf of Contractor in the

performance of this Agreement. In the event Contractor fails to obtain such indemnity obligations from others as required here, Contractor agrees to be fully responsible according to the terms of this Section.

Failure of City to monitor compliance with these requirements imposes no additional obligations on City and will in no way act as a waiver of any rights hereunder. This obligation to indemnify and defend City as set forth here is binding on the successors, assigns, or heirs of Contractor and shall survive the termination of this Agreement or Section.

This Indemnity shall survive termination of the Agreement or Final Payment hereunder. This Indemnity is in addition to any other rights or remedies that the Indemnitees may have under the law or under any other Contract Documents or Agreements. In the event of any claim or demand made against any party which is entitled to be indemnified hereunder, City may, in its sole discretion, reserve, retain, or apply any monies to the Contractor under this Agreement for the purpose of resolving such claims; provided, however, City may release such funds if the Contractor provides City with reasonable assurance of protection of the Indemnitees' interests. City shall, in its sole discretion, determine whether such assurances are reasonable.

11. INSURANCE

Contractor shall maintain prior to the beginning of and for the duration of this Agreement insurance coverage as specified in Exhibit A, attached hereto and incorporated herein by this reference as though set forth in full.

12. INDEPENDENT CONTRACTOR

Contractor is and shall at all times remain as to the City a wholly independent Contractor. The personnel performing the services under this Agreement on behalf of Contractor shall at all times be under Contractor's exclusive direction and control. Neither City nor any of its officers, employees, or agents shall have control over the conduct of Contractor or any of Contractor's officers, employees, or agents, except as set forth in this Agreement. Contractor shall not at any time or in any manner represent that it or any of its officers, employees, or agents are in any manner officers, employees, or agents of the City. Contractor shall not incur or have the power to incur any debt, obligation, or liability against City, or bind City in any manner.

No employee benefits shall be available to Contractor in connection with the performance of this Agreement. Except for the fees paid to Contractor as provided in the Agreement, City shall not pay salaries, wages, or other compensation to Contractor for performing services hereunder for City. City shall not be liable for compensation or indemnification to Contractor for injury or sickness arising out of performing services hereunder.

13. LEGAL RESPONSIBILITIES

The Contractor shall keep itself informed of local, state, and federal laws and regulations which in any manner affect those employed by it or in any way affect the performance of its service pursuant to this Agreement. The Contractor shall at all times observe and comply with all such laws and regulations, including but not limited to the Americans with Disabilities Act and Occupational Health and Safety Administration laws and regulations. The City, and its officers and employees, shall not be liable at law or in equity occasioned by failure of the Contractor to comply with this Section.

14. ANTI DISCRIMINATION

Neither the Contractor, nor any subcontractor under the Contractor, shall discriminate in employment of persons upon the work because of race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, or gender of such person, except as provided in Section 12940 of the Government Code. The Contractor shall have responsibility for compliance with this Section [Labor Code Section 1735].

15. UNDUE INFLUENCE

Contractor declares and warrants that no undue influence or pressure is used against or in concert with any officer or employee of the City in connection with the award, terms, or implementation of this Agreement, including any method of coercion, confidential financial arrangement, or financial inducement. No officer or employee of the City will receive compensation, directly or indirectly from Contractor, or any officer, employee, or agent of Contractor, in connection with the award of this Agreement or any work to be conducted as a result of this Agreement. Violation of this Section shall be a material breach of this Agreement entitling the City to any and all remedies at law or in equity.

16. NO BENEFIT TO ARISE TO LOCAL EMPLOYEES

No member, officer, or employee of the City, or their designees or agents, and no public official who exercises authority over or responsibilities with respect to the Project during his/her tenure or for one (1) year thereafter, shall have any interest, direct or indirect, in any agreement or sub-agreement, or the proceeds thereof, for work to be performed in connection with the Project performed under this Agreement.

17. CONFLICT OF INTEREST

Contractor covenants that neither they nor any officer or principal of their firm have any interests, nor shall they acquire any interest, directly or indirectly, which will conflict in any manner or degree with the performance of their services hereunder. Contractor further covenants that in the performance of this Agreement, they shall

employ no person having such interest as an officer, employee, agent, or subcontractor. Contractor further covenants that Contractor has not contracted with nor is performing any services directly or indirectly, with the developer(s) and/or property owner(s) and/or firm(s) and/or partnership(s) and/or public agency(ies) owning property and/or processing an entitlement application for property in the City or its Area of Interest, now or within the past one (1) year, and further covenants and agrees that Contractor and/or its subcontractors shall provide no service or enter into any contract with any developer(s) and/or property owner(s) and/or firm(s) and/or partnership(s) and/or public agency(ies) owning property and/or processing an entitlement application for property in the City or its Area of Interest, while under contract with the City and for a one (1) year time period following termination of this Agreement.

18. NOTICE

Any notice to be given pursuant to this Agreement shall be in writing, and all such notices and any other document to be delivered shall be delivered by personal service or by deposit in the United States mail, certified or registered, return receipt requested, with postage prepaid, and addressed to the party for whom intended as follows:

To: City Manager
City of Moorpark
799 Moorpark Avenue
Moorpark, California 93021

To: Company
Attention
Address
City State Zip

Either party may, from time to time, by written notice to the other, designate a different address or contact person, which shall be substituted for the one above specified. Notices, payments and other documents shall be deemed delivered upon receipt by personal service or as of the third (3rd) day after deposit in the United States mail.

19. CHANGE IN NAME

Should a change be contemplated in the name or nature of the Contractor's legal entity, the Contractor shall first notify the City in order that proper steps may be taken to have the change reflected in the Agreement documents.

20. ASSIGNMENT

Contractor shall not assign this Agreement or any of the rights, duties, or obligations hereunder. It is understood and acknowledged by the parties that Contractor is uniquely qualified to perform the services provided for in this Agreement.

21. LICENSES

At all times during the term of this Agreement, Contractor shall have in full force and effect, all licenses required of it by law for the performance of the services in this Agreement.

22. VENUE AND GOVERNING LAW

This Agreement is made, entered into, and executed in Ventura County, California, and any action filed in any court or for arbitration for the interpretation, enforcement or other action of the terms, conditions, or covenants referred to herein shall be filed in the applicable court in Ventura County, California. The City and Contractor understand and agree that the laws of the state of California shall govern the rights, obligations, duties, and liabilities of the parties to this Agreement and also govern the interpretation of this Agreement.

23. ENTIRE AGREEMENT

This Agreement contains the entire understanding between the parties relating to the obligations of the parties described in this Agreement. All prior or contemporaneous agreements, understandings, representations, and statements, oral or written, are merged into this Agreement and shall be of no further force or effect. Each party is entering into this Agreement based solely upon the representations set forth herein and upon each party's own independent investigation of any and all facts such party deems material.

24. CAPTIONS OR HEADINGS

The captions and headings of the various Articles, Paragraphs, Sections, and Exhibits of this Agreement are for convenience and identification only and shall not be deemed to limit or define the content of the respective Articles, Paragraphs, Sections, and Exhibits hereof.

25. AMENDMENTS

Any amendment, modification, or variation from the terms of this Agreement shall be in writing and shall be effective only upon approval by both parties to this Agreement.

26. TIME OF COMPLETION

City and Contractor agree that time is of the essence in this Agreement. City and Contractor further agree that Contractor's failure to perform on or at the times set forth in this Agreement will damage and injure City, but the extent of such damage and injury is difficult or speculative to ascertain. Consequently, City and Contractor agree that any failure to perform by Contractor at or within the times set forth herein shall result in

liquidated damages as defined in this Agreement for each and every day such performance is late. City and Contractor agree that such sum is reasonable and fair. Furthermore, City and Contractor agree that this Agreement is subject to Government Code Section 53069.85 and that each party hereto is familiar with and understands the obligations of said Section of the Government Code.

27. PRECEDENCE

Contractor is bound by the contents of City's Bid Package and Proposal, Exhibit _____ attached hereto and incorporated herein by this reference as though set forth in full. In the event of conflict, the requirements of the City's Bid Package and this Agreement shall take precedence over those contained in the Proposal.

28. INTERPRETATION OF AGREEMENT

Should interpretation of this Agreement, or any portion thereof, be necessary, it is deemed that this Agreement was prepared by the parties jointly and equally, and shall not be interpreted against either party on the ground that the party prepared the Agreement or caused it to be prepared.

29. WAIVER

No waiver of any provision of this Agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar, nor shall any such waiver constitute a continuing or subsequent waiver of the same provision. No waiver shall be binding unless executed in writing by the party making the waiver.

30. AUTHORITY TO EXECUTE

The person or persons executing this Agreement on behalf of the Contractor warrants and represents that he/she has the authority to execute this Agreement on behalf of the Contractor and has the authority to bind Contractor to the performance of obligations hereunder.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year first above written.

CITY OF MOORPARK

By: _____
Steven Kueny, City Manager

By: _____

Title:

Attest:

Maureen Benson, City Clerk

EXHIBIT A

INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Contractor will maintain insurance in conformance with the requirements set forth below. Contractor will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, it will be amended to do so. Contractor acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this Agreement and which is applicable to a given loss, will be available to the City.

Contractor shall provide the following types and amounts of insurance:

1. Commercial General Liability

Commercial General Liability Insurance shall be provided by an Insurance Services Office "Commercial General Liability" policy form CG 00 01 or the exact equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits shall be no less than \$1,000,000 per occurrence for all covered losses and no less than \$2,000,000 general aggregate.

Contractor's policy shall contain no endorsements limiting coverage beyond the basic policy coverage grant for any of the following:

- a. Explosion, collapse or underground hazard (XCU)
- b. Products and completed operations
- c. Pollution liability
- d. Contractual liability

Coverage shall be applicable to City for injury to employees of contractors, subcontractors, or others involved in the project. Policy shall be endorsed to provide a separate limit applicable to this project.

2. Workers' Compensation

Workers' Compensation insurance shall be provided on a state-approved policy form providing statutory benefits as required by law with employers' liability limits no less than \$1,000,000 per accident for all covered losses.

3. Business Auto Coverage

Business Auto Coverage on ISO Business Auto Coverage form CA 00 01 06 92 including symbol 1 (Any Auto) or the exact equivalent shall be provided. Limits shall be no less than \$1,000,000 per accident, combined single limit. If Contractor owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Contractor or Contractor's employees will use personal autos in any way on this project, Contractor shall provide evidence of personal auto liability coverage for each such person.

4. Excess or Umbrella Liability

Excess or Umbrella Liability insurance (Over Primary) if used to meet limit requirements, shall provide coverage at least as broad as specified for the underlying coverages. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross liability exclusion precluding coverage for claims or suits by one insured against another. Coverage shall be applicable to City for injury to employees of contractor, subcontractors, or others involved in the Work. The scope of coverage provided is subject to the approval of city following receipt of proof of insurance as required herein. Limits are subject to review.

Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with A.M. Best rating of A- or better and a minimum financial size of VII.

Contractor and City agrees as follows:

1. Contractor agrees to endorse the third party general liability coverage required herein to include as additional insureds City, its officials, employees, agents, using standard ISO endorsement No. CG 2010 with an edition date of 2004. Contractor also agrees to require all contractors, subcontractors, and any one else involved in any way with the project contemplated by this Agreement to do likewise.
2. Any waiver of subrogation express or implied on the part of the City to any party involved in this Agreement or related documents applies only to the extent of insurance proceeds actually paid. City, having required that it be named as an additional insured to all insurance coverage required herein, expressly retains the right to subrogate against any party for sums not paid by insurance. For its part, Contractor agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all contractors, subcontractors, or others involved in any way with the project contemplated by this Agreement to do likewise.

3. All insurance coverage maintained or procured by Contractor or required of others by Contractor pursuant to this Agreement shall be endorsed to delete the subrogation condition as to the city, or to specifically allow Contractor or others providing insurance herein to waive subrogation prior to a loss. This endorsement shall be obtained regardless of existing policy wording that may appear to allow such waivers.
4. It is agreed by Contractor and City that insurance provided pursuant to these requirements is not intended by any party to be limited to providing coverage for the vicarious liability of City, or to the supervisory role, if any, of City. All insurance coverage provided pursuant to this or any other Agreement (express or implied) in any way relating to City is intended to apply to the full extent of the policies involved. Nothing referred to here or contained in any agreement involving City in relation to the project contemplated by this Agreement is intended to be construed to limit the application of insurance coverage in any way.
5. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.
6. All coverage types and limits required are subject to approval, modification, and additional requirements by the City, as the need arises. Contractor shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discover period) that may affect City's protection without City's prior written consent.
7. Proof of compliance with these insurance requirements, consisting of binders of coverage, or endorsements, or certificates of insurance, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of insurance is not delivered as required, or in the event such insurance is canceled or reduced at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other Agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Contractor or deducted from sums due Contractor, at City option.
8. Contractor agrees to endorse, and to required others to endorse, the insurance provided pursuant to these requirements, to require 30 days notice to City and the appropriate tender prior to cancellation or reduction of such liability coverage and notice of any material alteration or non-renewal of any such coverage, and to require contractors, subcontractors, and any other party in any way involved with the project contemplated by this Agreement to do likewise.
9. It is acknowledged by the parties of this Agreement that all insurance coverage required to be provided by Contractor or any subcontractor, and any other party

involved with the project who is brought onto or involved in the project by Contractor, is intended to apply first and on a primary non-contributing basis in relation to any other insurance or self-insurance available to the City.

10. Contractor agrees to ensure that subcontractors, and any other party involved with the project who is brought onto or involved in the project by Contractor, provide the same minimum insurance coverage required of Contractor. Contractor agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this Agreement. Contractor agrees that upon request, all agreements with subcontractors and others engaged in this project will be submitted to City for review.
11. Contractor agrees that all layers of third party liability coverage required herein, primary, umbrella and excess, will have the same starting and expiration date. Contractor agrees further that all other third party coverages required herein will likewise have concurrent starting and ending dates.
12. Contractor agrees not to self-insure or to use any self-insured retentions or deductibles on any portion of the insurance required herein and further agrees that it will not allow any contractor, subcontractor, architect, engineer, or other entity or person in any way involved in the performance of Work on the project contemplated by this Agreement to self-insure its obligations to City. If Contractor's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At that time the City shall review options with the Contractor, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions.
13. The City reserves the right at any time during the term of this Agreement to change the amounts and types of insurance required by giving the Contractor 90 days advance written notice of such change. If such change results in substantial additional cost to the Contractor, the City will negotiate additional compensation proportional to the increased benefit to City.
14. For purposes of applying insurance coverage only, all contracts pertaining to the project will be deemed to be executed when finalized and any activity commences in furtherance of performance under this Agreement.
15. Contractor acknowledges and agrees that any actual or alleged failure on the part of City to inform Contractor of non-compliance with any insurance requirement in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.
16. Contractor will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to

this Agreement. This obligation applies whether or not the Agreement is canceled or terminated for any reason. The insurance shall include but not be limited to products and completed operations and discontinued operations, where applicable. Termination of this obligation is not effective until City executes a written statement to that effect.

17. Contractor agrees to waive its statutory immunity under any workers' compensation statute or similar statute, in relation to the City, and to require all subcontractors and any other person or entity involved in the project contemplated by this Agreement to do likewise.
18. Requirements of specific coverage features are not intended as limitations on other requirements or as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be all-inclusive.
19. Any provision in any of the construction documents dealing with the insurance coverage provided pursuant to these requirements, is subordinate to and superseded by the requirements contained herein. These insurance requirements are intended to be separate and distinct from any other provision in this Agreement and are intended by the parties to be interpreted as such.
20. All liability coverage provided according to these requirements must be endorsed to provide a separate aggregate limit for the project that is the subject of this Agreement and evidencing products and completed operations coverage for not less than two years after issuance of a final certificate of occupancy by all appropriate government agencies or acceptance of the completed work by City.
21. Contractor agrees to be responsible for ensuring that no contract used by any party involved in any way with the project reserves the right to charge City or Contractor for the cost of additional insurance coverage required by this Agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall be no recourse against City for payment of premiums or other amounts with respect thereto.
22. Contractor agrees to obtain and provide to City a copy of Professional Liability coverage for Architects or Engineers on this project through Contractor. City shall determine the liability limit.

BOND FOR FAITHFUL PERFORMANCE

KNOW ALL PERSONS BY THESE PRESENTS:

That we, _____ hereinafter referred to as "Contractor" as principal, and _____ hereinafter referred to as "Surety," are held and firmly bound unto the City of Moorpark, California, hereinafter referred to as "City", or "Obligee" in the sum of _____ Dollars (\$ _____), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into a Contract with the City of Moorpark, California, for construction of the recreational trail project at Arroyo Vista Community Park, and is required by said City to give this bond in connection with the execution of said Contract.

NOW, THEREFORE, if said Contractor shall well and truly do and perform all the covenants and obligations of said Contract to be done and performed at the time and in the manner specified herein, then this obligation shall be null and void one year after date of recordation of Notice of Completion by City of the completed work; otherwise it shall be and remain in full force and effect, and Surety shall cause the Contract to be fully performed or to pay to obligee the cost of performing said Contract in an amount not exceeding the said sum above specified, and shall also, in case suit is brought upon this bond, pay to obligee court costs and a reasonable attorney's fee, to be fixed by the court.

IT IS FURTHER PROVIDED, that any alterations in the work to be done or the material to be furnished shall not in any way release the Contractor or the Surety thereunder, nor shall any extensions of time granted under the provisions of the Contract release either the Contractor or the Surety; and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

SURETY – Contact Information

BROKER – Contact Information

Attn: _____
Address: _____
City State Zip _____
Phone #: _____

Attn: _____
Address: _____
City State Zip _____
Phone# _____

[signatures on next page]

**BOND FOR FAITHFUL PERFORMANCE ~
(continued)**

WITNESS our hands this _____ day of _____, 2015

Contractor

By _____

Title _____

By _____

Title _____

Surety

By _____

**ALL SIGNATURES MUST BE WITNESSED BY NOTARY
(attach appropriate executed form)**

BOND FOR MATERIAL SUPPLIERS AND LABORERS

KNOW ALL PERSONS BY THESE PRESENTS:

That we, _____ hereinafter referred to as "Contractor" as principal, and _____ hereinafter referred to as "Surety," are held and firmly bound unto the CITY OF MOORPARK, CALIFORNIA, hereinafter referred to as "City " in the sum of _____ Dollars (\$ _____), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into a Contract for the construction of the recreational trail project at Arroyo Vista Community Park and is required by City to give this bond in connection with the execution of said Contract.

NOW, THEREFORE, if the said principal as Contractor in said Contract or subcontractors fails to pay for any subcontractors, materials, provisions, or its other supplies, or items, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor, said Surety will pay for the same in an amount not exceeding the sum specified above, and also, in case suit is brought upon this bond, a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any and all persons named in Section 9100 of the Civil Code of the State of California. This bond shall remain in full force and effect through the term of the Agreement and beyond as set forth herein. The Contractor may cause the Bond to be exonerated one (1) year after the date of recordation of the Notice of Completion by the City and only with the City's written permission. However, Bond shall not be exonerated if claims or stop notices remain outstanding.

IT IS FURTHER PROVIDED, that any alterations in the work to be done or the material to be furnished, which may be made pursuant to the terms of said Contract shall not in any way release either the Contractor or the Surety thereunder, nor shall any extensions of time granted under the provisions of said Contract release either the Contractor or the Surety; and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

**BOND FOR MATERIAL SUPPLIERS AND LABORERS ~
(continued)**

SURETY – Contact Information

BROKER – Contact Information

Attn: _____
Address: _____
City State Zip _____
Phone #: _____

Attn: _____
Address: _____
City State Zip _____
Phone# _____

WITNESS our hands this _____ day of _____, 2015

Contractor

By _____

Title _____

By _____

Title _____

Surety

By _____

**ALL SIGNATURES MUST BE WITNESSED BY NOTARY
(attach appropriate executed form)**

GENERAL CONDITIONS TO THE CONTRACT FOR CONSTRUCTION

The General Conditions may be supplemented or amended by the Special Conditions in the Contract Documents and other sections of the Project Manual. All provisions which are not so amended or supplemented remain in full force and effect.

Except as hereinafter provided, the provisions of the latest edition of the Standard Specifications for Public Works Construction (SSPWC), and all supplements thereto, prepared and promulgated by the Greenbook Committee of Public Works Standards Inc., formerly the Southern California Chapter of the American Public Works Association and the Associated General Contractors of America, and the following modifications thereto are established as the Standard Specifications for the City. They will be referred to in the General Conditions and contract documents as the "Greenbook". These specifications will prevail as the basic Standard Specifications for this project except as otherwise specifically noted in the General Conditions when reference is made to the State Standard Specifications.

Contractor agrees that if there is a conflict between the documents, or a conflict, repetition, or ambiguity within any of the documents, the City shall be the sole person to decide which document or provision shall govern, to the interest of the City .

The City will make the final decisions based on the recommendations of the City's designated Project Representative. Jeremy Laurentowski, Parks and Recreation Director is the City's project representative assigned to this project and will act as directed by and under the supervision of the City Manager.

In the attached, "City ," and "Owner" shall refer to the City of Moorpark, California.

ARTICLE 1

GENERAL CONDITIONS

1.1 BASIC DEFINITIONS

1.1.1 The Contract represents the entire and integrated Agreement between the parties hereto and supersedes prior negotiations, representations or agreements, either written or oral. The Contract shall not be construed to create a contractual relationship of any kind (1) between the City and a Subcontractor or supplier or (2) between any persons or entities other than the City and Contractor.

1.1.2 The term "work" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all other labor, materials, equipment and services provided or to be provided by the Contractor to fulfill the Contractor's obligations. The work may constitute the whole or part of the project.

1.1.3 The "project" is the total construction of the work performed under the Contract Documents and may be the whole or a part which may include construction by other Contractors and by the City's own forces including persons or entities under separate contracts not administered by the City .

1.1.4 The "drawings" are the graphic and pictorial portions of the Contract, wherever located and whenever issued, showing the design, location and dimensions of the work, generally including plans, elevations, sections, details, schedules, and diagrams.

1.1.5 The "specifications" are that portion of the Contract consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the work, and performance of related services.

1.1.6 The Project Manual is the volume assembled for the work which includes without limitation, the bidding requirements and documents, the proposal, sample forms, the contract and conditions of the Contract.

1.1.6.1 The drawings, specifications, project manual, contract and all incorporations by reference comprise the contract documents.

1.2 EXECUTION, CORRELATION AND INTENT

1.2.1 The Contract Documents shall be signed by the City and Contractor as provided in the Contract.

1.2.2 Execution of the Contract by the Contractor is a representation that the Contractor has visited the site, become familiar with local conditions under which the work is to be performed and correlated personal observations with requirements of the Contract and agrees to all terms and conditions of the contract documents.

1.2.3 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the work by the Contractor. THE CONTRACT DOCUMENTS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL.

1.2.4 Organization of the specifications into divisions, sections and articles, and arrangements of drawings shall not control the Contractor in dividing the work among Subcontractors or in establishing the extent of work to be performed by any trade.

1.2.5 Unless otherwise stated in the Contract, words which have well-known technical or construction industry meanings are used in the Contract in accordance with such recognized meanings.

1.3 CAPITALIZATION

1.3.1 Terms capitalized in these General Conditions include those which are (1)

specifically defined and (2) the titles of numbered articles and identified references to Paragraphs, Sub-paragraphs and Clauses in this document.

1.4 INTERPRETATION

1.4.1 In the interest of brevity the Contract frequently omits modifying words such as “all” and “any” and articles such as “the” and “an,” but the fact that a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

1.5 PRECEDENCE

1.5.1 Precedence shall be as outlined in the latest edition of the Standard Specifications for Public Works Construction (The “Greenbook”).

ARTICLE 2

OWNER

2.1 DEFINITION

2.1.1 The City is the person or entity identified as such in the Contract and is referred to throughout the Contract as if singular in number. The terms “City ” and “Owner” mean the City of Moorpark, and it is the owner.

2.1.2 The City upon reasonable written request shall furnish to the Contractor, in writing, information which is necessary and relevant for the Contractor to evaluate, give notice or enforce claim rights.

2.2 INFORMATION AND SERVICES REQUIRED BY THE CITY

2.2.1 Information or services under the City ’s control shall be furnished by the City with reasonable promptness to avoid delay in orderly progress of the work.

2.2.2 As necessary, the City shall forward all communications to the Contractor through electronic mail, fax and/or first class mail, personal delivery, or overnight delivery service.

2.3 CITY ’S RIGHT TO STOP THE WORK

2.3.1 If the Contractor fails to correct work which is not in accordance with the requirements of the Contract, in the required time frames, or persistently fails to carry out work in accordance with the Contract, the City, by written order signed personally or by an agent specifically so empowered by the City in writing, may order the Contractor to stop the work, or any portion thereof, until the cause for such order has been eliminated; however, the right of the City to stop the work shall not give rise to a duty on

the part of the City to exercise this right for the benefit of the Contractor or any other person or entity. These remedies are supplemental to remedies found elsewhere in the Contract.

2.4 CITY'S RIGHT TO CARRY OUT THE WORK

2.4.1 Notwithstanding other remedies available to the City, if the Contractor defaults or neglects to carry out the work in accordance with the Contract and fails within a ten calendar day period after receipt of written notice from the City to commence and correct such default or neglect with diligence and promptness, the City, at its sole option and without obligation, may, with their own or outside forces, correct such deficiencies. In such case a deduction shall be made by the City from payments then, or thereafter, due to the Contractor for the cost of correcting such deficiencies, including compensation for the City's additional services and expenses made necessary by such default, neglect, or failure. If payments then or thereafter due the Contractor are not sufficient to cover such amounts, the Contractor shall pay the difference to the City. This remedy is cumulative. The City may terminate pursuant to Section 6 of the contract.

ARTICLE 3

CONTRACTOR

3.1 DEFINITION

3.1.1 The Contractor is the person or entity identified as such in the Contract and is referred to throughout this Contract as if singular in number. The term "Contractor" means the Contractor or the Contractor's authorized representative.

3.1.2 The plural term "Contractors" refers to persons or entities who perform construction under conditions of the Contract that are administered by the City, and that are identical or substantially similar to these conditions.

3.2 REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

3.2.1 In addition to other investigations required by the contract documents, the Contractor shall take field measurements and verify field conditions and shall carefully compare such field measurements and conditions and other information known to the Contractor with the Contract before commencing activities. Errors, inconsistencies or omissions discovered shall be reported to City Staff at once.

3.2.2 The Contractor shall perform the work in accordance with the Contract.

3.3 SUPERVISION AND CONSTRUCTION PROCEDURES

3.3.1 The Contractor shall supervise and direct the work, using the Contractor's best

skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, sequences and procedures, and all safety requirements for coordinating all portions of work under this Contract, subject to overall coordination of the Construction, and subject to overall coordination by City Staff as provided in Subparagraphs 4.2.3.

3.3.2 The Contractor shall be responsible to the City for acts and omissions of the Contractor's employees, Subcontractors and their agents and employees, and other persons performing portions of the work under a contract with the Contractor.

3.3.3 The Contractor shall not be relieved of obligations to perform the work in accordance with the Contract either by activities or duties of City Staff in the administration of the Contract, or by tests, inspections or approvals required or performed by persons other than the Contractor.

3.3.4 The Contractor shall inspect portions of the project related to the Contractor's work in order to determine that such portions are in proper condition to receive subsequent work.

3.4 LABOR AND MATERIALS

3.4.1 Unless otherwise provided in the Contract, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation and other facilities and services necessary for proper execution and completion of the work, whether temporary or permanent and whether or not incorporated or to be incorporated in the work.

3.5 PREVAILING WAGE, PAYROLL RECORDS AND DEBARMENT

3.5.1 The Contractor is aware of the requirements of California Labor Code sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since this Project involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is \$1,000 or more, Contractor agrees to fully comply with such Prevailing Wage Laws. The Contractor shall obtain a copy of the prevailing rates of per diem wages at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the Department of Industrial Relations located at www.dir.ca.gov/dlsr/. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to perform work on the Project available to interested parties upon request, and shall post copies at the Contractor's principal place of business and at the Project site. Contractor shall defend, indemnify and hold the City of Moorpark, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or alleged failure to comply with the Prevailing Wage Laws.

3.5.2 The Contractor and each subcontractor shall forfeit as a penalty to the City of Moorpark not more than fifty dollars (\$50) for each calendar day, or portion thereof, for each worker paid less than the stipulated prevailing wage rate for any work done by him, or by any subcontract under him, in violation of the provisions of the California Labor Code. The difference between such stipulated prevailing wage rate and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor.

3.5.3 As a further material part of this Contract, Contractor agrees to hold harmless and indemnify the City, its Board and each member of the Board, its officers, employees and agents from any and all claims, liability, loss, costs, damages, expenses, fines and penalties, of whatever kind or nature, including all costs of defense and attorneys' fees, arising from any alleged failure of Contractor or its subcontractors to comply with the prevailing wage laws of the State of California. If the City or any of the indemnified parties are named as a party in any dispute arising from the failure of Contractor or its subcontractors to pay prevailing wages, Contractor agrees that the City and the other indemnified parties may appoint their own independent counsel, and Contractor agrees to pay all attorneys' fees and defense costs of the City and the other indemnified parties as billed, in addition to all other damages, fines, penalties and losses incurred by the City and the other indemnified parties as a result of the action.

3.5.4 Accurate payroll records shall be kept by the contractor and each subcontractor, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the public work.

3.5.5 It shall be the responsibility of Contractor to Comply with Labor Code section 1776 as it may be amended by the Legislature from time to time with respect to each payroll record. As of April, 2003, Labor Code section 1776 provides in relevant part:

"(a) Each contractor and subcontractor shall keep accurate payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the public work. Each payroll record shall contain or be verified by a written declaration that it is made under penalty of perjury, stating both of the following:

- (1) The information contained in the payroll record is true and correct.
- (2) The employer has complied with the requirements of Sections 1771, 1811, and 1815 for any work performed by his or her employees on the public works project.

(b) The payroll records enumerated under subdivision (a) shall be certified and shall be available for inspection at all reasonable hours at the principal office of the contractor on

the following basis:

(1) A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or his or her authorized representative on request.

(2) A certified copy of all payroll records enumerated in subdivision (a) shall be made available for inspection or furnished upon request to a representative of the body awarding the contract, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations.

(3) A certified copy of all payroll records enumerated in subdivision (a) shall be made available upon request by the public for inspection or for copies thereof. However, a request by the public shall be made through either the body awarding the contract, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. If the requested payroll records have not been provided pursuant to paragraph (2), the requesting party shall, prior to being provided the records, reimburse the costs of preparation by the contractor, subcontractors, and the entity through which the request was made. The public shall not be given access to the records at the principal office of the contractor.

(c) The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement or shall contain the same information as the forms provided by the division.

(d) A contractor or subcontractor shall file a certified copy of the records enumerated in subdivision (a) with the entity that requested the records within 10 days after receipt of a written request.

(e) Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by the awarding body, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement shall be marked or obliterated to prevent disclosure of an individual's name, address, and social security number. The name and address of the contractor awarded the contract or the subcontractor performing the contract shall not be marked or obliterated. Any copy of records made available for inspection by, or furnished to, a joint labor-management committee established pursuant to the federal Labor Management Cooperation Act of 1978 (Section 175a of Title 29 of the United States Code) shall be marked or obliterated only to prevent disclosure of an individual's name and social security number. A joint labor management committee may maintain an action in a court of competent jurisdiction against an employer who fails to comply with Section 1774. The court may award restitution to an employee for unpaid wages and may award the joint labor management committee reasonable attorney's fee and costs incurred in maintaining the action. An action under this subdivision may not be based on the employer's misclassification of the craft of a worker on its certified payroll records. Nothing in this subdivision limits any other available remedies for a violation of this chapter.

(f) The contractor shall inform the body awarding the contract of the location of the

records enumerated under subdivision (a), including the street address, city and county, and shall, within five working days, provide a notice of a change of location and address.

(g) The contractor or subcontractor shall have ten (10) days in which to comply subsequent to receipt of a written notice requesting the records enumerated in subdivision (a). In the event that the contractor or subcontractor fails to comply within the 10-day period, he or she shall, as a penalty to the state or political subdivision on whose behalf the contract is made or awarded, forfeit fifty dollars (\$50) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due. A contractor is not subject to a penalty assessment pursuant to this section due to the failure of a subcontractor to comply with this section.

(h) The body awarding the contract shall cause to be inserted in the contract stipulations to effectuate this section.

(i) A certified copy of all payroll records shall be submitted to the Project Representative no later than the tenth (10th) day of each month for the immediately preceding month. This submission shall be a condition precedent for payment to Contractor. Failure to submit payroll records shall be grounds of withholding payment to Contractor until such submission is made.

3.5.6 Debarment. The Contractor or any subcontractor working under the Contractor may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Section 1777.1 or Section 1777.7 of the California Labor Code. Any contract on a public works project entered into between the Contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money that is paid, or may have been paid to a debarred subcontractor by the Contractor on the project shall be returned to the City. The Contractor shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the project.

3.6 APPRENTICES

3.6.1 Contractor's attention is directed to the provisions of Sections 1777.5, 1777.6, and 1777.7 of the California Labor Code concerning employment of apprentices by the Contractor or any subcontractor under him. The Contractor shall be knowledgeable of and comply with all California Labor Code sections including 1727, 1773.5, 1775, 1777, 1777.5, 1810, 1813, 1860, including all amendments; each of these sections is incorporated by reference into this Contract. The responsibility for compliance with these provisions for all apprentice able occupations rests with the Contractor. Knowing violations of Section 1777.5 will result in forfeiture not to exceed \$100 for each calendar day of non-compliance pursuant to Section 1777.7.

3.6 TAXES

3.6.1 The Contractor shall pay sales, consumer, use and similar taxes for the work or portions thereof provided by the Contractor which are legally enacted when bids are received or negotiations concluded, whether or not yet effective or merely scheduled to go into effect.

3.7 PERMITS, FEES AND NOTICES

3.7.1 The Contractor shall secure and pay for all necessary permits required for the proper execution and completion of the work in this contract, including a City of Moorpark Business Registration Permit, which can be obtained from the Community Development Department.

3.7.2 The Contractor shall comply with and give notices required by laws, ordinances, rules, regulations and lawful orders of public authorities bearing on performance of the work.

3.7.3 If the Contractor performs work knowing it to be contrary to laws, statutes, ordinances, building codes, and rules and regulations, the Contractor shall assume full responsibility for such work and shall bear the attributable costs to remove, correct and/or otherwise comply with the law.

3.8 ALLOWANCES

Not used.

3.9 CONTRACTOR'S SUPERVISION/SUPERINTENDENT

3.9.1 The Contractor shall employ a competent superintendent and necessary assistants who shall be in full time attendance at the project site during performance of the work. They shall have extensive experience in projects similar to this one. The superintendent shall represent the Contractor, and communications given to the superintendent shall be as binding as if given to the Contractor. Important communications shall be confirmed in writing. Other communications shall be similarly confirmed on written request in each case. The Contractor shall give efficient supervision to work, using his/her best skill and attention. He/she shall carefully study and compare all drawings, specifications and other instructions and shall at once report to City Staff any error, inconsistency or omission which he/she may discover.

3.10 CONTRACTOR'S CONSTRUCTION SCHEDULE

3.10.1 The Contractor, promptly after being awarded the Contract, shall submit Contractor's construction schedule for the work. Such schedule shall not exceed time limits current under the Contract, shall be revised at appropriate intervals as required by the contract documents, conditions of the work and progress. The construction schedule

shall provide for expeditious and practicable execution of the work and shall show procurement and submittals. See specifications for further requirements regarding construction schedule.

3.10.2 The Contractor shall cooperate with the City in scheduling and performing the Contractor's work to avoid conflict, delay in, or interference with the work of other Contractors or the construction or operations of the City's own forces.

3.10.3 Contractor shall keep current a Request for Information (RFI) schedule and reply record.

3.11 SUBMITTALS

3.11.1 Contractor to prepare a schedule of required submittals. Coordinate preparation and processing of submittals with performance of construction activities. Transmit each submittal sufficiently in advance of performance of related construction activities to allow for review(s) and to avoid delay.

3.11.2 Specific submittal requirements are described in individual specification sections as required. Do not commence work which requires review of any submittals until in receipt of returned submittals with appropriate final action.

3.11.3 Allow one week for initial review.

3.11.4 Clearly label each submittal for identification including number and title of appropriate specification section, drawing number and detail references as appropriate.

3.11.5 Transmit submittal to City Project Representative via e-mail for dissemination to appropriate design professional. In the transmittal e-mail record relevant information and requests for detail, and record deviations from the contract documents, including variations and limitations. Include certification from Contractor that the information complies with Contract document requirements.

3.11.6 The Contractor shall prepare and keep current, for City staff approval, a schedule of submittals which is coordinated with the Contractor's construction schedule and allows for a reasonable time for review.

3.12 USE OF SITE

3.12.1 The Contractor shall confine operations at the site to areas permitted by law, ordinances, and permits and shall not unreasonably encumber the site with materials or equipment.

3.12.2 The Contractor shall coordinate their operations with, and secure the approval of, the City before using any portion of the site.

3.13 ACCESS TO WORK

3.13.1 The Contractor shall provide the City access to the work in preparation and progress wherever located.

3.14 ROYALTIES AND PATENTS

3.14.1 The Contractor shall pay all royalties and license fees, fees for use of patent rights and shall hold the City harmless from the loss on account thereof, but shall not be responsible for such defense or loss when a particular design, process or product of a particular manufacturer is required by the Contract.

ARTICLE 4

ADMINISTRATION OF THE CONTRACT

4.1 CITY'S REPRESENTATIVES

4.1.1 One or more Representatives employed by the City may be assigned to the work. His/her duties shall be defined by the City.

4.1.2 The designated City Project Representative or entity is identified as such in the Contract and is referred to throughout the Contract as if singular in number. The designated staff person will act as directed by and under the supervision of the Parks and Recreation Director, and will confer with the Director and City regarding its actions.

4.1.3 The City's Project Representative shall have full access to all operations involving work under this Contract and shall be provided reasonable advance notice of the time and place of operations which he/she desires to observe.

4.1.4 The Contractor shall furnish City reasonable facilities for obtaining such information as may be necessary to keep them fully informed respecting progress and manner of work and character of materials. Observation of work shall not relieve the Contractor from any obligation to fulfill this Contract. The City Manager shall have authority to stop work whenever provisions of the Contract are not being complied with and the Contractor shall instruct his/her employees accordingly.

4.1.5 Duties, responsibilities and limitations of authority of City's Representative as set forth in the Contract shall not be restricted, modified or extended without written consent of the City and Contractor. Consent shall not be unreasonably withheld.

4.1.6 In case of termination of employment of the designated staff person, the City shall appoint a staff person whose status under the Contract shall be that of the former staff or higher, respectively.

4.2 ADMINISTRATION OF THE CONTRACT

4.2.1 The City's project representative will provide administration of the Contract as described in the Contract under the direction of the Parks and recreation Director, and will advise the City during construction, until all contractual obligations are completed and contract performed or terminated. The Representative will advise and consult with the City and will have authority as stated in the Contract, unless otherwise modified by written instrument in accordance with other provisions of the Contract.

4.2.2 The City's Project Representative will determine that the work is being performed in accordance with the requirements of the Contract, will keep the Parks and Recreation Director informed of the progress of the work, and will endeavor to guard the City against defects, deficiencies in the work and slow progress.

4.2.3 The City's Project Representative will provide for coordination of the activities of other Contractors and of the City's own forces with the work of the Contractor, who shall cooperate with them. The Contractor shall participate with other Contractors and the City in reviewing their construction schedules. The Contractor shall make any revisions to the construction schedule deemed necessary after a joint review and as required by the contract documents. The construction schedules, until subsequently revised, shall constitute the schedules to be used by the Contractor, other Contractors, and City.

4.2.4 The City's Project Representative will not have control over or charge of and will not be responsible for construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the work, since these are solely the Contractor's responsibility as provided in Paragraph 3.3, and neither will be responsible for the Contractor's failure to carry out the work in accordance with the Contract. The City will not have control over or charge of or be responsible for acts or omissions of the Contractor, Subcontractors, or their agents or employees, or of any other persons performing portions of the work.

4.2.5 The Contractor shall communicate directly with the City. Communications by and with Subcontractor's and material suppliers shall be through the Contractor. Communications by and with other Contractors shall be through the City's Project Representative.

4.2.6 The Project Representative will review and certify the applications for payment by the Contractor. City staff will assemble the Contractor's application for payment into a project application and request for payment.

4.2.7 Based on the City's observations and evaluations of Contractor's applications for payment, the application will be processed. Final approval for payment rests with the City Manager.

4.3 CLAIMS AND DISPUTES

4.3.1 Definition. A claim is a demand or assertion by one of the parties seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, and extension of time or other relief with respect to the terms of the Contract. The term "claim" also includes other disputes and matters in question, between the City and Contractor arising out of or relating to the Contract. Claims must be made by written notice. The responsibility to substantiate claims shall rest with the party making the claim. An unresolved claim is an unresolved dispute.

4.3.2 Time Limits on Claims. Claims by either party must be made within 14 calendar days after occurrence of the event giving rise to such claim or within 14 days after the claimant first recognizes the condition giving rise to the claim, whichever is later. Claims must be made by written notice. An additional claim made after the initial claim has been implemented by Change Order will not be considered unless submitted in a timely manner.

4.3.3 Continuing Contract Performance. Pending final resolution of a claim, answer on change order request, or unresolved dispute, unless otherwise agreed in writing, the Contractor shall proceed diligently with performance of the work and contractual obligations and the City shall continue to make agreed upon payments in accordance with the Contract. (Also see 4.3.5)

4.3.4 Claims for Additional Cost. If the Contractor wishes to make a claim for an increase in the contract lump sum, written notice as provided herein shall be given before proceeding to execute the work as required. Prior notice is not required for claims relating to an emergency endangering life or property arising under Paragraph 9.3. If the Contractor believes additional cost is involved for reasons including but not limited to, (1) an order by the City to stop the work where the Contractor was not at fault, (2) a written order for a minor change in the work issued by the Representative, (3) failure of payment by the City, (4) termination of the Contract by the City, (5) or City's suspension of work, claims shall be filed in accordance with the procedure established herein.

4.3.5 Claims for Additional Time.

4.3.5.1 If the Contractor wishes to make a claim for an extension in time to complete the Contract, written notice to the City, shall be given by the Contractor. The Contractor's claim shall include an estimate of probable effect of delay on progress of the work. In the case of a continuing delay only one claim is necessary.

4.3.5.2 If adverse weather conditions are the basis for a claim for additional time, such claim shall be documented in writing substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that weather conditions had an adverse effect on the scheduled construction. Payment for general condition items, overhead, and profit shall not be made for additional time

granted for adverse weather conditions, vandalism, casualty loss and/or material availability. Contractor expressly waives any rights to such claims. Contractor must have provided required erosion control and access protection as a requirement to making claims for extension of time because of adverse weather conditions.

4.3.5.3 No claims for adverse weather conditions for weekends or holidays will be granted unless contractor specifically requested (in writing) permission to work and was granted such permission by the City. If rain is predicted when the request to work is received by the City, the request to work will be rejected, unless the work is inside and protected access is in place.

4.3.5.4 At no time shall the workload of material manufacturers be considered a reason to claim "inability to obtain materials" for purposes of requesting a time extension.

4.3.6 Injury or Damage to Person or Property. If either party to the Contract suffers injury or damage to person or property because of an act or omission of the other party, of any of the other party's employees or agents, or of others for whose acts such party is legally liable, written notice of such injury or damage, whether or not insured, shall be given to the other party within a reasonable time not exceeding 2 days after initial observance or notification. The notice shall provide sufficient detail to enable the other party to investigate the matter.

4.4 RESOLUTION OF CLAIMS AND DISPUTES

4.4.1 The City will review claims and disputes, with the City Manager, and take one or more of the following preliminary actions within ten days of receipt of a claim: (1) request additional supporting data from the claimant, (2) submit a schedule to the parties indicating when they expect to take action, (3) recommend rejecting the claim in whole or in part, stating reasons for rejection, (4) recommend approval of the claim by the other party or (5) suggest a compromise. The City may, but is not obligated to, notify the surety, if any, of the nature and amount of the claim.

4.4.2 If a claim has been resolved, the City will notify the parties in writing of the resolution.

4.4.3 An unresolved claim is an unresolved dispute.

4.4.4 If a claim has not been resolved, the party making the claim shall, within ten days after the City's preliminary response, take one or more of the following actions: (1) submit additional supporting data requested, (2) modify the initial claim, (3) notify the City that the initial Claim stands, or (4) withdraw the claim.

4.4.5 Contractor, in the event of any dispute or controversy with the City over any matter whatsoever, shall not cause any delay or cessation in or of work, but shall proceed with the performance of the work in dispute. This includes disputed time extension requests and prices for changes.

4.4.6 The disputed work will be categorized as an “unresolved dispute” and payment, if any, shall be as later determined by mutual agreement or a court of law. Contractor will keep accurate, detailed records on all disputed work, claims and other disputed matters and submit same to City. Public Contract Code 20104 et. seq., shall govern the claim procedure.

4.4.7 In no event will the Contractor be allowed to reserve its rights to assert a claim for time extension, or any other type of claim, later than as required by paragraph 4.3.2 unless the City agrees in writing to allow such reservation.

ARTICLE 5

SUBCONTRACTORS

5.1 DEFINITIONS

5.1.1 A Subcontractor is a person or entity who has a direct contract with the Contractor to perform a portion of the work at the site. The term “Subcontractor” is referred to throughout the Contract as if singular in number and means a Subcontractor or an authorized representative of the Subcontractor. The term “Subcontractor” does not include other Contractors or Subcontractors of other Contractors. A Subcontractor shall be considered an employee of the Contractor and the Contractor shall be responsible for his/her work.

5.1.2 A Sub-subcontractor is a person or entity who has a direct or indirect contract with a Subcontractor to perform a portion of the work at the site. The term “Sub-subcontractor” is referred to throughout the Contract as if singular in number and means a Sub-subcontractor or an authorized representative of the Sub-subcontractor.

5.2 AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

5.2.1 All contracts between the general Contractor and its subcontractors and suppliers shall include a provision that the subcontractors and suppliers shall be bound to the Contractor to the same extent that the Contractor is bound to the City by all terms and provisions of the Contract, and shall incorporate the contract by reference into all subcontracts. If the Contractor shall subcontract any part of this Contract, the Contractor shall be as fully responsible to the City for acts and omissions of Subcontractor and of persons either directly or indirectly employed by Subcontractor, as he/she is for acts and omissions of persons directly employed by himself/herself. Nothing contained in the Contract shall create any contractual relation between any Subcontractor and the City.

5.2.2 Contractor will comply with the bidding requirements, and shall furnish in writing for review by the City, the names of persons or entities including those who are to furnish materials or equipment fabricated to a special design proposed for each

principal portion of the work.

5.2.3 The City's consent to or approval of any Subcontractor under this Contract shall not in any way relieve the Contractor of his/her obligations under this Contract and no such consent or approval shall be deemed to waive any provision of this Contract.

5.2.4 The Contractor shall not contract with a proposed person or entity to whom the City has made reasonable and timely objection. The Contractor shall not contract to any unlicensed or uninsured Subcontractor or supplier.

5.2.5 The Contractor shall not change a Subcontractor, person or entity previously approved if the City makes reasonable objection to such change. Substitution or addition shall be permitted only as authorized in Chapter 2 (commencing at Section 4100) Division 5, Title 1 of California Government Code.

5.3 SUBCONTRACTUAL RELATIONS

5.3.1 Each subcontract agreement shall preserve and protect the rights of the City, under the Contract with respect to the work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor, unless specifically provided otherwise in the subcontract agreement, the benefit of all rights, remedies and redress against the Contractor that the Contractor, by this Contract, has against the City. Where appropriate, the Contractor shall require each Subcontractor to enter into similar agreements with Sub-subcontractors. The Contractor shall make available to each proposed Subcontractor, prior to the execution of the subcontract agreement, copies of the Contract to which the Subcontractor will be bound, and, upon written request of the Subcontractor, identify to the Subcontractor terms and conditions of the proposed subcontract agreement which may be at variance with the Contract. Subcontractors shall similarly make copies of applicable portions of such documents available to their respective proposed Sub-subcontractors.

5.4 MUTUAL RESPONSIBILITY

5.4.1 The Contractor shall afford the City's own forces and other Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities, and shall connect and coordinate the Contractor's construction and operations with theirs as required by the City.

5.4.2 If part of the Contractor's work depends for proper execution or results upon construction or operations by the City's own forces or other Contractors, the Contractor shall, prior to proceeding with that portion of the work, promptly report to the City apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of the Contractor to report these discrepancies and defects shall constitute an acknowledgment that the City's own forces or other Contractors' completed or partially completed construction is fit and proper to receive the Contractor's work.

5.4.3 The Contractor shall promptly remedy damage wrongfully caused by the Contractor to completed or partially completed construction or to property of the City or other Contractors.

5.4.4 Claims and other disputes and matters in question between the Contractor and other Contractors shall be subject to the provisions of Paragraph 4.4.

5.5 CITY'S RIGHT TO CLEAN UP

5.5.1 If a dispute arises among the Contractor, other Contractors and the City as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, the City may clean up and allocate the cost among those responsible as the City determines to be equitable.

ARTICLE 6

CHANGES IN THE WORK

6.1 CHANGES

6.1.1 Changes in the work may be accomplished after execution of the Contract, and without invalidating the Contract, by change order, construction change directive or order for a minor change in the work, subject to the limitations stated in this Article 6 and elsewhere in the Contract.

6.1.2 A change order shall be based upon prior written agreement among the City, and Contractor; a construction change directive requires prior written agreement by the City and may or may not be agreed to by the Contractor; an order for a minor change in the work may be issued by the City. Final approval for all change orders rests with the City. The City Manager is the final approving authority.

6.1.3 Changes in the work shall be performed under applicable provisions of the Contract, and the Contractor shall proceed promptly, unless otherwise provided in the change order, construction change directive or order for a minor change in the work.

6.1.4 Requests for changes and time extensions may be submitted in letter form with detailed backup and substantiated reasons attached. All requests submitted without detailed backup and substantiated reasons will be returned without action.

6.2 CHANGE ORDERS

6.2.1 A change order is a written instrument prepared by the City and signed by the City and Contractor, stating their agreement upon all of the following:

1. a subsequent change in the work;

2. the amount of the adjustment in the Contract lump sum, if any; and
3. the extent of the adjustment in the Contract time, if any.

6.3 CONSTRUCTION CHANGE DIRECTIVES

6.3.1 A construction change directive is a written order prepared and signed by the City, directing a change in the work and stating a proposed basis for adjustment, if any; in the Contract lump sum or Contract time, or both. The City may, by construction change directive, without breaching the contract, order changes in the work within the general scope of the Contract consisting of additions, deletions or other revisions, the Contract lump sum and Contract time being adjusted accordingly, in accordance with provisions of the contract documents.

6.3.2 A construction change directive shall be used in the absence of total agreement on the terms of a change order or pending change order.

6.3.3 If the construction change directive provides for an adjustment to the Contract lump sum, the adjustment shall be based on one of the following methods, and in accordance with provisions of the contract documents:

1. Mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;
2. Unit prices stated in the Contract or subsequently agreed upon in writing;
3. Cost to be determined in a manner agreed upon by the parties and a mutually acceptable fixed or percentage fee; or
4. as provided in Subparagraph 6.3.6.

6.3.4 Upon receipt of a Construction change directive, the Contractor shall promptly proceed with the change in the work involved and advise the City of the Contractor's agreement or disagreement with the method, if any, provided in the Construction change directive for determining the proposed adjustment in the Contract lump sum or Contract time.

6.3.5 A Construction change directive signed by the Contractor indicates the agreement of the Contractor therewith, including adjustment in Contract lump sum and Contract time or the method for determining them. Such agreement shall be executed as a change order.

6.3.6 If the Contractor does not respond promptly or disagrees with the method for adjustment in the Contract lump sum, the method and the adjustment shall be determined by the City on the basis of reasonable expenditures and savings of those

performing the work attributable to the change, including, in case of an increase or decrease in the Contract lump sum, the pre-determined percentage for overhead and profit. In such case, the Contractor shall keep and present, in such form as the City may prescribe, an itemized account together with appropriate supporting data. Unless otherwise provided in the Contract, costs for the purposes of this Subparagraph 6.3.6 shall be limited to the following:

1. Costs of labor, including social security, and unemployment insurance, fringe benefits required by agreement or custom, and workers compensation insurance;
2. Costs of materials, supplies and equipment, including cost of delivery by supplier, whether incorporated or consumed;
3. Reasonable, competitive rental costs of equipment over \$75/day, exclusive of hand tools and contractor owned vehicles, whether rented from the Contractor or others;
4. Permit fees, and sales, use or similar taxes related to the work; as limited in the conditions of the Contract.

6.3.7 Pending final determination of cost to the City, amounts not in dispute may be included in applications for payment if a change order to that effect has been signed by the parties. The amount of credit to be allowed by the Contractor to the City for a deletion or change which results in a net decrease in the Contract lump sum shall be actual net cost as confirmed by the City. When both additions and credits covering related work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of increase, if any, with respect to that change.

6.3.8 If the City and Contractor agree with the determination concerning the adjustments in the Contract lump sum and Contract time, or otherwise reach agreement upon the adjustments, such agreement shall be recorded by preparation and execution of an appropriate change order. Change Orders do not become effective until executed by all parties.

6.3.9 If the City and Contractor do not agree on adjustments to the Contract lump sum or Contract time, then this shall be considered a dispute and shall be resolved pursuant to the provisions of Section 4.4 of these General Conditions.

ARTICLE 7

TIME

7.1 DEFINITIONS

7.1.1 Unless otherwise provided, time for performance is the number of calendar days

and/or hours, including authorized adjustments, allotted in the Contract for substantial completion of the work.

7.1.2 The date of commencement of the work is the date stated in the Notice to Proceed issued by the City. The date shall not be postponed by the failure to act of the Contractor or of persons or entities for which the Contractor is responsible.

7.1.3 The date the project is completed is the date so certified by the City.

7.1.4 The term "day" as used in the Contract shall mean calendar day unless otherwise specified.

7.2 PROGRESS AND COMPLETION

7.2.1 Time limits stated in the Contract are of the essence. By submitting the proposal, the Contractor confirms that the Contract time is a reasonable period for performing the work.

7.2.2 The Contractor shall not knowingly, except by prior consent or direction of the City in writing, prematurely commence operations on the site or elsewhere prior to the effective date of insurance required by the Contract to be furnished by the Contractor. The date of commencement of the work shall not be changed by the effective date of such insurance. The date of commencement will be established by a notice to proceed given by the City.

7.3 DELAYS AND EXTENSION OF TIME

7.3.1 Subject to provisions of the Project Manual, the Contractor may request a time extension to the contract. He/she may request an extension listing reasons for the delay and submitting substantiating evidence. If the City determines the request is reasonable, a change order may be issued for said time extension.

7.3.2 Claims relating to time shall be made in accordance with applicable provisions of Paragraph 4.3 and other appropriate sections of the contract documents.

ARTICLE 8

PAYMENTS AND COMPLETION

8.1 CONTRACT LUMP SUM

8.1.1 The Contract lump sum is stated in the Contract and, including authorized adjustments, is the maximum amount payable by the City to the Contractor for performance of the work under the Contract.

8.2 APPLICATIONS FOR PAYMENT

8.2.1 Contractor shall submit to the City an itemized application for payment for work completed in accordance with the schedule of values. The application will be supported by such data substantiating the Contractor's right to payment as the City may require.

8.2.2 Amounts billed by subcontractor or supplier are not a measure of work completed.

8.2.3 The Contractor warrants that upon submittal of an application for payment all work for which recommendation for payment has been requested shall, to the best of the Contractor's knowledge, information and belief, be free and clear of liens, claims, security interests or encumbrances in favor of the Contractor, Subcontractors, material suppliers, or other persons or entities making a claim by reason of having provided labor, material or equipment relating to the work. Copies of applicable releases should be submitted with the Contractor's invoice.

8.2.4 Payment shall be made pursuant to payment terms, payment schedule and requirements of the Contract.

8.2.5 Application for payment shall be submitted using the Contractor's own form of invoice.

8.2.6 Payment shall be made as a lump sum pursuant to the Contract provisions.

8.2.7 Substantial completion does not constitute approval for final payment nor final acceptance of the work.

8.2.8 Payment requests will be rejected due to lack of, or improper releases or other improper or incomplete documents required to be submitted with payment requests, as determined by the City.

8.2.9 For all payments made under this contract, there will be no separate "Certificate for Payment." The owner's issuance of a check constitutes a certificate of payment.

8.3 RECOMMENDATION FOR PAYMENT

8.3.1 The Contractor will assemble a project invoice by certifying the amounts due and forwarding them to the Project Representative, along with all required releases and certified payroll documents.

8.3.2 Within ten (10) working days after receipt of the project application for payment, the City will either issue a recommendation for payment, for such amounts as the City determines is properly due, or notify the Contractor in writing of the reasons for withholding certification in whole or in part as provided in Subparagraph 8.4.1.

8.3.3 The issuance of a recommendation for payment will constitute representations made separately to the City, based on individual observations at the site and the data comprising the application for payment submitted by the Contractor, that the work has been completed and that, to the best of the City's knowledge, information and belief, the quality and quantity of the work conforms to the Contract. The foregoing representations are subject to an evaluation of the work for conformance with the Contract upon substantial completion, to results of subsequent tests and inspections, to minor deviations from the Contract correctable prior to completion and to specific qualifications expressed by the City. The issuance of a recommendation for payment will further constitute a representation that the Contractor is entitled to payment in the amount certified. However, the recommendation for payment will not be a representation that the City has (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the work, (2) reviewed the Contractor's construction means, methods, techniques, sequences or procedures, (3) reviewed copies of requisitions received from Subcontractors and material suppliers and other data requested by the City to substantiate the Contractor's right to payment or (4) made examination to ascertain how or for what purpose the Contractor has used money previously paid on account of the Contract lump sum.

8.4 DECISIONS TO WITHHOLD CERTIFICATION

8.4.1 The City may decide not to certify payment and may withhold a recommendation for payment in whole or in part, to the extent reasonably necessary to protect the City, if in the City's opinion the representations to the City required by Subparagraph 8.3.3 cannot be made. If the City's Representative is unable to certify payment in the amount of the application, the City will notify the Contractor. If the Contractor and City cannot agree on a revised amount, the City will promptly issue a recommendation for payment for the amount for which the City is able to make such representations. The City may also decide not to certify payment or, because of subsequently discovered evidence or subsequent observations, may nullify the whole or a part of a recommendation for payment previously issued, to such extent as may be necessary to protect the City from loss because of, but not limited to, the following:

1. Defective work not remedied;
2. Third party claims filed or reasonable evidence indicating probable filing of such claims;
3. Alleged failure of the Contractor to make payments properly to Subcontractors or for labor, materials or equipment;
4. Reasonable evidence that the work cannot be completed for the unpaid balance of the Contract lump sum;
5. Damage to the City or another contractor or third party allegedly by

Contractor, his/her agent or employee;

6. Reasonable evidence that the work will not be completed within the Contract time, and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay;
7. Persistent failure to carry out the work in accordance with the Contract;
8. Re-testing of non-passing tests, reimbursement for inspections, overtime and minimum times not used;
9. Alleged breach of terms and conditions of Contract Documents;
10. Disputed items and issues;
11. Liquidated damages; or
12. Payments which may be past due and payable for just claims against Contractor or any Subcontractor for labor or materials furnished in and about the performance of work on the project under this Contract; and/or
13. Improper, incomplete or unacceptable documents, releases or back up materials.

8.4.2 When the above reasons for withholding certification are removed to the City's satisfaction, certification will be made for amounts previously withheld.

8.4.3 The City may apply such withheld amount or amounts to payment of such claims or obligations at his/her discretion. In so doing, the City shall be deemed the agent of the Contractor and any payment so made by the City shall be considered as a payment made under Contract by the City to the Contractor and the City shall not be liable to the Contractor for such payments made in good faith. Such payments may be made without prior judicial determination of claim or obligations. The City will render the Contractor a proper accounting of such funds disbursed on behalf of the Contractor.

8.5 FINAL COMPLETION AND FINAL RETENTION PAYMENT

8.5.1 Upon completion of the work, as specified in the Contract, the Contractor shall notify the City that the work is complete and request final inspection from the building and safety department. Contractor shall also forward to the City a Contractor's application for final retention payment. When the City finds the work to be acceptable under the Contract and the Contract fully performed, the City will approve the recordation of a Notice of Completion based on the recommendation that to the best of their knowledge, information and belief, and on the basis of their observations and inspections, the work has been completed in accordance with terms and conditions of

the Contract.

8.5.2 In addition to the above, no final retention payment shall be paid until the Contractor submits to the City (1) final certified payroll; (2) release statements or waivers of liens from all subcontractors indicating that they have been paid for their portion of work on this job; and (3) a copy of the building permit showing final sign-off from the City inspector.

8.5.3 Once all documentation has been furnished, the Contractor will not receive payment of final retention until thirty (30) days have passed from the date the Notice of Completion records.

ARTICLE 9

PROTECTION OF PERSONS AND PROPERTY

9.1 SAFETY PRECAUTIONS AND PROGRAMS

9.1.1 The Contractor shall be responsible for initiating maintaining and supervising all safety precautions and programs in connection with the performance of the Contract including, without limitation, safety, job meetings and training. The Contractor shall submit the Contractor's safety program to the City and coordinate with the safety programs of other Contractors. Contractor will furnish minutes of all safety meetings to the City.

9.1.2 In the event the Contractor encounters on the site material reasonably believed to be asbestos or polychlorinated biphenyl (PCB) which has not been rendered harmless by Contractor's remediation activities as required by this Contract, the Contractor shall immediately stop work in the area affected and report the condition to the City in writing. The work in the affected area shall not thereafter be resumed except by written agreement of the City and Contractor if in fact the material is asbestos or polychlorinated biphenyl (PCB) and has not been rendered harmless. The work in the affected area shall be resumed in the absence of asbestos or polychlorinated biphenyl (PCB), or when it has been rendered harmless, by written agreement of the City and Contractor.

9.1.3 If reasonable precautions will be inadequate to prevent foreseeable bodily injury or death to persons resulting from a material or substance encountered on the site by the Contractor, the Contractor shall, upon recognizing the condition, immediately stop work in the affected area and report the condition to the City in writing. The City shall then proceed in the same manner described in Subparagraph 9.1.2.

9.2 SAFETY OF PERSONS AND PROPERTY

9.2.1 The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to:

1. Employees on the job and other persons who may be affected thereby;
2. The work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Contractor or the Contractor's Subcontractors or Sub-subcontractors;
3. Other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction; and
4. Construction or operations by the City or other Contractors.

9.2.2 The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.

9.2.3 The Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying owners and users of adjacent sites and utilities.

9.2.4 When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.

9.2.5 The Contractor shall promptly remedy damage and loss (whether or not insured under property insurance required by the Contract) to property referred to in subparagraph 9.2.1 caused in whole or in part by the Contractor, a Subcontractor, a Sub-subcontractor, supplier, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible under subparagraph 9.2.1. This includes damage or loss caused by unknown persons or causes. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under the indemnity sections of the Contract.

9.2.6 The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the City.

9.2.7 The Contractor shall not load or permit any part of the construction or site to be loaded so as to endanger safety to persons or property.

9.4 PROTECTION OF WORKERS IN TRENCH EXCAVATIONS

9.4.1 If the Project involves an estimated expenditure in excess of twenty-five thousand dollars (\$25,000.00), for the excavation of any trench or trenches five feet or more in depth, the Contractor shall submit to the City Engineer in advance of excavation a detailed plan showing the design shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches. If such plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer. The City Engineer shall have authority on behalf of the City to accept and approve the plan. Nothing in this paragraph shall be deemed to allow the use of a shoring, sloping, or protective system less effective than that required by the Construction Safety Orders in accordance with California Labor Code Section 6705.

9.4.2 In accordance with Public Contract Code Section 7104, if the Project involves digging trenches or other excavations that extend deeper than four feet below the surface, the Contractor shall promptly, and before the following conditions are disturbed, notify the City in writing of any (a) material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law; (b) subsurface or latent physical conditions at the site differing from those indicated by information about the site made available to bidders prior to the deadline for submitting bids; (c) unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Agreement.

9.4 EMERGENCIES

9.4.1 In an emergency affecting safety of persons or property; the Contractor shall act, at the Contractor's discretion, to prevent threatened damage, injury or loss. Additional compensation or extension of time claimed by the Contractor on account of an emergency shall be determined as provided in Paragraph 4.3 and Article 7.

ARTICLE 10

INSURANCE

10.1 CONTRACTOR'S INSURANCE (See Bid Terms and Conditions for additional insurance requirements)

10.1.1 The Contractor shall purchase from and maintain in a company or companies "admitted" by the State of California such insurance in accordance with Exhibit A of the Agreement documents for this project as will protect the Contractor from claims which may arise out of or result from the Contractor's operations under the Contract and for which the Contractor may be legally liable, whether such operations be by the Contractor or by a Subcontractor or by anyone directly or indirectly employed by any of

them, or by anyone for whose acts any of them may be liable.

10.1.2 The insurance required by Subparagraph 10.1.1 shall be written for not less than limits of liability specified in the Contract Documents or required by law, whichever coverage is greater. Coverages must be written on an occurrence basis and shall be maintained without interruption from date of commencement of the work until one (1) year after notice of completion records.

10.1.3 Certificates of Insurance acceptable to the City shall be submitted to the City prior to commencement of the work. Additional certificates evidencing continuation of coverage after final payment shall be submitted with the final Application for Payment as required by Subparagraph 10.1.2.

10.1.4 All certificates must be original. An endorsement, the form of which is specified in the Agreement Documents, naming the City as additional insured must also be submitted before the Notice to Proceed will be issued. City will only accept the endorsement specified in the Agreement documents or an EXACT equivalent. If an EXACT equivalent is proposed, Contractor should submit proposed equivalent form to Project Representative prior to submitting bid to ensure that the equivalent form is acceptable.

10.1.5 The Contractor shall obtain all insurance coverage required by this section. Said insurance coverage is required in addition to all other insurance coverage required by other provisions of the Contract Documents. Contractor to pay all deductibles.

10.1.6 Before an exposure to loss may occur, the Contractor shall file with the Owner a copy of each policy that includes insurance coverages required by this Paragraph 10.1. Each policy shall contain all generally applicable conditions, definitions, exclusions and endorsements related to this Project. Each policy shall contain a provision that the policy will not be canceled or allowed to expire until at least 30 days' prior written notice has been given to the Owner.

SPECIAL CONDITIONS

FEDERAL GRANT REQUIREMENTS

Funding for this work is partially provided by a pass-thru grant from the National Park Service via the Land and Water Conservation Grant Program. As such, there are special requirements that the Contractor must be aware of when bidding on this project, that may supersede those requirements of the California Public Contract Code and California Labor Code.

1. Audit and Inspection

Contractor shall permit the authorized representatives of Moorpark, the Ventura County Transportation Commission (VCTC), the USDOT and the Controller General of the United States to inspect and audit all data and records of Contractor relating to its performance under this Agreement.

Contractor also shall maintain all required records relating to this project for at least three (3) years after Moorpark makes final payment and all other pending matters are closed.

2. Clean Water

Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 United States Code (USC) Sections 1251 et seq. Contractor agrees to report each violation to Moorpark and understands and agrees that Moorpark shall, in turn, report each violation as required to assure notification to FTA and the appropriate Environmental Protection Agency (EPA) Regional Office. Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance by FTA if the subcontract includes services for Moorpark.

3. Equal Employment Opportunity

In connection with the execution of this Agreement, Contractor shall not discriminate against any employee or applicant for employment because of age, religion, color, sex, sexual orientation, national origin, marital status, or any disability not limiting the ability of the person to perform the job contemplated. Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during their employment, without regard to their age, race, religion, color, sex, sexual orientation, national origin, marital status, or any disability not limiting the ability of the person to perform the job contemplated. Such actions shall include, but not be limited to the following: Employment, up-grading, demotion, or transfer; recruitment, or recruitment advertising; layoff, or termination; rates of pay, or other forms of compensation; and selection for training, including apprenticeship. Such shall be in compliance with

Executive Order 11246 amended by Executive Order 11375 and amended by Executive Order 11478 and as supplemented in United States Department of Labor (USDOL) regulations 41 CFR Part 60.

In connection with the execution of this Agreement, Contractor shall comply with all aspects of the Federal Immigration and Naturalization Act of 1986.

4. Conservation

Contractor shall recognize mandatory standards and policies relating to energy efficiency that are contained in the State energy conservation plan issued in compliance with the Federal Energy Policy and Conservation Act 42 USC, Sections 6321 et seq.

5. Clean Air

Contractor agrees to comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act, as amended, 42 USC Sections 7401 et seq. Contractor agrees to report each violation to Moorpark and understands and agrees that Moorpark shall, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office. Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance by FTA if the subcontract includes services for Moorpark.

6. Title VI of the Civil Rights Act of 1964

During the performance of this Agreement, Contractor, for itself, its assignees and successors in interest agrees as follows:

- A. Compliance with Regulations:** Contractor shall comply with the Regulations relative to nondiscrimination in federally assisted programs of the USDOT 49 CFR, Part 21, as they may be amended from time to time, (Regulations), which are herein incorporated by reference and made a part of this Agreement.
- B. Nondiscrimination:** Contractor, with regard to the work performed by it during the Agreement, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment Contractor shall not participate either directly or indirectly in the discrimination prohibited by Part 21.5 of the Regulations, including employment practices when the contract covers a program set forth in the Regulations. The proposal should include a statement by Contractor certifying its compliance with the Regulations.
- C. Solicitations for Subcontractors, Including Procurement of Materials and Equipment:** In all solicitations either by competitive bidding or negotiation made by Contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or

supplier shall be notified by Contractor of Contractor's obligations under this Agreement and the Regulations relative to non-discrimination on the grounds of race, color, or national origin.

- D. **Information and Reports**: Contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by Moorpark or the FTA to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish this information, Contractor shall so certify to Moorpark or the FTA as appropriate, and shall set forth what efforts it has made to obtain the information.
- E. **Sanctions for Noncompliance**: In the event of Contractor's noncompliance with nondiscrimination provisions of this Agreement, Moorpark shall impose sanctions as it or the FTA may determine to be appropriate, including, but not limited to:
1. Withholding of payments to Contractor under the Agreement until Contractor complies; and/or
 2. Cancellation, termination, or suspension of the Agreement, in whole or in part.
- F. **Incorporation of Provisions**: Contractor shall include the provisions of paragraphs "A" through "E" in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

7. **Contract Work Hours and Safety Standards Act (CWHSSA)**

The CWHSSA, 40 USC Sections 327-333 applies to all agreements over \$100,000 that may require or involve laborers or mechanics. The CWHSSA requires that laborers or mechanics cannot be required, or permitted, to work more than forty (40) hours in any workweek unless paid overtime at not less than one and one-half (1.5) times the basic rate of pay.

8. **Copeland "Anti-Kickback" Act (18 U.S.C. 874)**

The Copeland "Anti-Kickback" Act, as supplemented by Department of Labor regulations (29 CFR part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"), provides that each contractor or sub-recipient shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled. The recipient shall report all suspected or reported violations to the Federal awarding agency.

9. Davis-Bacon Act, as amended (40 U.S.C. 276a to a-7)

All construction contracts of more than \$2,000 shall include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 278a to a-1) and as supplemented by Department of Labor regulations (29 CFR part 5, "Labor Standards Provisions Applicable to Contracts Governing Federally Financed and Assisted Construction"). Under this Act, contractors shall be required to pay wages to laborers and mechanics at a rate not less than the minimum wages specified in a wage determination made by the Secretary of Labor. In addition, contractors shall be required to pay wages not less than once a week. A current copy of the prevailing wage determination issued by the Department of Labor is included as Appendix 1 to this bid manual. Contractors acceptance of the award of a contract shall be Contractor's acceptance of the wage determination.

10. Davis-Bacon Act and the California Prevailing Wage Law

Implementation of the Davis-Bacon Act requirements does not necessarily supersede implementation of California Prevailing Wage laws. If a subject matter is covered by both laws, the stricter requirement or higher wage rate between the two laws will control.

11. Minority/Women-Owned Business Enterprises (M/WBE)

The contractor will comply with Executive Orders 11625, 12138, and 12432, Minority Business Enterprises (MBEs) and Women Business Enterprises (WBEs) as follows, in accordance with 43 CFR 12.76:

- (a) Include qualified MBEs/WBEs on solicitation lists.
- (b) Solicit these firms whenever they are potential sources of supplies, equipment, construction, or services.
- (c) Where feasible, divide total requirements into smaller needs, and set delivery schedules that will encourage participation by these firms.

Scope of Work
Recreational Trail at Arroyo Vista Community Park
Moorpark, California

1. Demolish and remove trees, landscaping, wood rail fence, existing concrete, pavement and curbs, and other items as shown on demolition plans, Sheet 2-4 of the Civil Drawings.
2. Construct all improvements for the recreational trail and associated parking lot improvements complete as indicated on the Civil Drawings.
3. Contractor required to remove and relocate existing water service, appurtenances and fire hydrant and coordinate said work with the Ventura County Waterworks District #1, including design and permitting of the relocation to VCWD#1 Specifications.
4. Provide all survey, layout and dimensional control as required to complete entire scope of work.
5. Perform all necessary onsite and offsite rough and fine grading including but not limited to excavation and backfill for utilities, trench drains, storm water infiltration and sump systems, percolation pits, footings, concrete flatwork, curbs, gutters, drive approaches, asphalt paving and landscape features.
6. Layout, form, place, strip and finish including reinforcing all onsite and offsite concrete curbs, gutters, mowstrips, sidewalks, catch basins, drainage channels, masonry footings, fence footings, signage, drinking fountain bases, light pole bases, light fixture bases, electrical equipment pads, truncated domes, irrigation equipment pads, entry columns and monument sign footings, as indicated on the plans.
7. Furnish and install all onsite and offsite asphalt paving and asphalt paving patches, including grade preparation, redwood and or concrete headers and mowstrips.
8. Furnish and install all stormwater infiltration, dry sump and percolations systems complete per plans.
9. Modify all landscape irrigation systems complete including piping, sprinklers, wiring, devices, valves, vaults and equipment, consistent with landscape project plans and specifications.
10. Furnish and install all electrical lighting systems complete including but not limited to conduits, meter pedestals, panels, lighting controls, light poles, light fixtures, and connections to SCE, as indicated on the plans

11. Coordinate, furnish and install all infrastructure, equipment, vaults, boxes, conduit, pull strings, footings, equipment, devices, etc for underground systems as well as for above grade systems.
12. Furnish and install all landscaping complete including but not limited to materials, equipment, planters, plants, groundcover, turf, decomposed granite paving and pathways, mulch, cobble, boulders and organic lock systems, as indicated on the plans.
13. Furnish and install monument sign complete.
14. Furnish and install all rail fencing as required by the plans. City to approve fence material and style.
15. Clear, grub and demolish all of the existing landscape and hardscape improvements as shown on the Parking Lot plans. Protect in place the existing irrigation system, valves and components and relocate/reroute them as necessary to accommodate the proposed parking lot and infiltration improvements.
16. Excavate the proposed parking lot and infiltration improvements as shown on the Parking Lot plans. Compact the parking lot subgrade and furnish and install the aggregate base, the asphalt concrete improvements and the parking lot striping as shown.
17. Furnish and install the parking lot shade trees per the Parking Lot plans.
18. Furnish and install the infiltration area improvements (stacked rock wall, grade control structures, drainage piping, etc.) complete in place.
19. Contractor will participate in weekly meetings once construction is underway.
20. Contractor responsible for providing sanitary facilities for all workers.
21. Contractor responsible for providing landscape warranty for one-year from project completion for all installed trees and for 90-days from project completion for all installed shrubs. See Landscape Plans for more detail regarding the landscape warranty.
22. **Contractor is responsible for pulling permits for this work including those needed from the City of Moorpark Planning Department, Building and Safety Office, and City Engineering. Project will already be plan checked. Contractor will pull permit prior to commencement of construction.**
23. The City of Moorpark has adopted a Construction and Demolition (C&D) ordinance requiring all demolition and city-sponsored projects, regardless of cost; new

construction projects valued over \$500,000; or renovation projects valued over \$100,000 to divert a minimum of 65% of material generated during the project from disposal in a landfill (through reuse or recycling). The City has created a Construction and Demolition Materials Management Plan (C&DMMP) form to assist applicants to meet these diversion requirements. You will be required to submit a Diversion Security Deposit of 3% of the project valuation to the City to ensure compliance with the ordinance. The deposit will be returned upon verification that you met the 65% diversion requirement. Also, a one-time fee for staff time associated with processing your C&D plan will be charged. You have two options to meet this requirement. You may use one of the City's franchised haulers (Waste Management or Moorpark Rubbish Disposal, dependent upon the location of the project) who can provide temporary bins and will dispose of your waste at a city authorized facility. Or you may self-haul your waste to a city authorized certified C&D processing facility. If you self-haul your waste you must use proper hauling vehicles and bins **owned by your company** and those vehicles must be **driven by your employees**. Please remember that because this project is a prevailing wage project, the driver of the self-haul vehicle will need to be paid a prevailing wage rate for driving the C&D materials to the authorized facility. **You will need to submit itemized weigh tickets from each facility documenting your C&D recycling and disposal that indicates the weight and type of material recycled or disposed.** These weigh tickets will need to be turned in to the Solid Waste Division and verified **prior to final payment release** for the job and refund of your C&D diversion security deposit. If diversion requirements are not met, the City will retain the deposit. Please contact the Solid Waste Division at 805-517-6257 with questions about the C&D ordinance or about how to obtain the forms and documentation requirements.

24. **Prior to commencing any work, the Contractor shall contact "Dig Alert" to locate any utilities that may be affected by the work.**
25. Verify that areas to remain unaltered adjacent to areas of demolition, alteration or cutting are completely secured and properly barricaded to ensure separation of such operations with anybody other than who is authorized to be in construction area before beginning such work. Provide barricades and maintenance thereof, in accordance with applicable Federal, State and local codes and their respective requirements. Install temporary barricades, enclosures and protections before demolition work is started.
26. Contractor is responsible for provision of water to the site, whether it is through the use of a water meter on a hydrant, a watering truck, or other method. The City of Moorpark falls within Ventura County Waterworks District No. 1, (805) 378-3000 and water meters can be procured through them.
27. During demolition and grading activities, take all precautions necessary to mitigate blowing dust and dirt. Use water sprinkling, temporary enclosures, and other methods to limit dust and dirt migration. This is particularly important, due

to close proximity to residential homes. Contractor must comply with governing regulations and Ventura County Air Pollution Control District pertaining to environmental protection. Do not use water when it may create hazardous or objectionable conditions such as flooding and pollution. Do not allow demolished material and trash to accumulate on site, have debris hauled off at regular intervals using appropriate City franchise waste hauler. (See requirements within item 19.)

28. Perform work exercising proper care to prevent injury to the public, workmen and adjoining property. Repair or replace existing work scheduled to remain, which is damaged by these operations. Return elements of construction and surfaces to remain to existing condition prior to start of operations. Repair adjacent construction or surfaces soiled or damaged by work.
29. Limit operations to the immediate property on which the work is to be performed, do not infringe upon the adjoining roads or rights-of-way. Keep all access routes and adjoining roads and rights-of-way clean at all times. The tracking of mud, dirt or any other debris onto the adjacent and surrounding roads will not be permitted at any time. If there is debris tracked onto roads, at no time will the use of water be an acceptable clean-up method.
30. Hours of work will be confined to 8 a.m. to 5 p.m. Monday through Friday. Weekend work on a Saturday may be allowed but only with written approval of the City Representative.
31. Limit noise to a reasonable level as related to specific items of equipment used and their hours of use. This does not preclude use of mechanical equipment, i.e. jack hammers, heavy equipment.
32. No blasting will be permitted and burning of rubbish at the site is not allowed.
33. Site and surrounding areas to be left clean and free of any debris or other unsuitable materials.
34. Exercise equipment to be installed by a separate playground equipment installer. Contractor responsible for provision of concrete pad for exercise equipment as indicated on the plans. Contractor shall coordinate activities with installer.
35. Except as otherwise specified, in the event the contractor encounters on the project site material reasonably believed to be Asbestos, Polychlorinated biphenyl (PCB) or other hazardous materials, Contractor shall immediately stop work in the affected area and report the condition to the City's Representative in writing.
36. Submit schedule for approval by the City's Representative indicating proposed methods and sequence of operations for work.

37. Contractor will provide a competent English-speaking Superintendent to oversee the complete project. The Superintendent shall be present at all times work is being performed. The Superintendent shall have the authority to bind Contractor through Superintendents acts. The Superintendent shall represent the Contractor; communications given to the Superintendent shall be binding on the Contractor.
38. Contractor will be responsible for the security of the site. Contractor shall be responsible for all damages to persons or property that occur as a result of its fault or negligence in the performance of this contract and all vandalism to the project site. Contractor shall be responsible for the protection of the project site until final acceptance by the City. Graffiti will be removed by Contractor within 8 hours of discovery. **If graffiti is not removed within the 8 hour time frame, City will remove the graffiti and charge Contractor for the City's costs to remove the graffiti.**
39. Storage of any materials at the project site is at the Contractor's own risk. City is not responsible for theft or vandalism of materials stored on site. Any theft or vandalism of construction materials stored on the project site will be replaced at the Contractor's expense.
40. Contractor shall take all necessary precautions for the safety of workers on the project and shall comply with all applicable federal, state, local and other safety laws, standards, orders, rules, regulations, and building codes to prevent accidents or injury to persons on, about, or adjacent to the premises where work is being performed and to provide a safe and healthful place of employment.
41. It is Contractor's responsibility to comply with all applicable storm water and urban runoff permits, regulations, codes or laws. Upon approval of the contract and prior to the start of the job, Contractor will be responsible for filling out and complying with the SWPCP in the form attached as Appendix 2. If there are questions, Contractor may contact the NPDES Coordinator in the Public Works Department at 805-517-6248

APPENDIX – 1

Davis Bacon Wage Determinations

General Decision Number: CA150025 11/06/2015 CA25

Superseded General Decision Number: CA20140025

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

County: Ventura County in California.

BUILDING, DREDGING (does not include hopper dredge work), HEAVY (does not include water well drilling), AND HIGHWAY CONSTRUCTION PROJECTS

Note: Executive Order (EO) 13658 establishes an hourly minimum wage of \$10.10 for 2015 that applies to all contracts subject to the Davis-Bacon Act for which the solicitation is issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.10 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/02/2015
1	01/16/2015
2	02/13/2015
3	02/20/2015
4	03/06/2015
5	03/27/2015
6	05/08/2015
7	07/10/2015
8	07/17/2015
9	07/24/2015
10	07/31/2015
11	08/07/2015
12	08/14/2015
13	09/04/2015
14	09/25/2015
15	10/09/2015
16	10/23/2015
17	11/06/2015

* ASBE0005-002 07/01/2015

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all types of mechanical systems).....\$	36.74	19.49
Fire Stop Technician		

(Application of Firestopping
Materials for wall openings
and penetrations in walls,
floors, ceilings and curtain
walls).....\$ 25.38 16.81

* ASBE0005-004 06/29/2015

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)....	\$ 18.06	10.57

BOIL0092-003 10/01/2012

	Rates	Fringes
BOILERMAKER.....	\$ 41.17	28.27

* BRCA0004-012 05/01/2015

	Rates	Fringes
BRICKLAYER; MARBLE SETTER.....	\$ 34.01	15.08

*The wage scale for prevailing wage projects performed in
Blythe, China lake, Death Valley, Fort Irwin, Twenty-Nine
Palms, Needles and 1-15 corridor (Barstow to the Nevada
State Line) will be Three Dollars (\$3.00) above the
standard San Bernardino/Riverside County hourly wage rate

BRCA0018-004 06/01/2014

	Rates	Fringes
MARBLE FINISHER.....	\$ 28.45	11.38
TILE FINISHER.....	\$ 23.78	9.84
TILE LAYER.....	\$ 35.14	14.33

BRCA0018-010 09/01/2013

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 26.59	10.34
TERRAZZO WORKER/SETTER.....	\$ 33.63	11.13

CARP0409-001 07/01/2010

	Rates	Fringes
CARPENTER (1) Carpenter, Cabinet		

Installer, Insulation		
Installer, Hardwood Floor		
Worker and acoustical		
installer.....	\$ 37.35	11.08
(2) Millwright.....	\$ 37.85	11.08
(3) Piledrivermen/Derrick		
Bargeman, Bridge or Dock		
Carpenter, Heavy Framar,		
Rock Bargeman or Scowman,		
Rockslinger, Shingler		
(Commercial).....	\$ 37.48	11.08
(4) Pneumatic Nailer,		
Power Stapler.....	\$ 37.60	11.08
(5) Sawfiler.....	\$ 37.44	11.08
(6) Scaffold Builder.....	\$ 28.55	11.08
(7) Table Power Saw		
Operator.....	\$ 37.45	11.08

FOOTNOTE: Work of forming in the construction of open cut sewers or storm drains, on operations in which horizontal lagging is used in conjunction with steel H-Beams driven or placed in pre- drilled holes, for that portion of a lagged trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional.

 CARP0409-002 07/01/2008

	Rates	Fringes
Diver		
(1) Wet.....	\$ 663.68	9.82
(2) Standby.....	\$ 331.84	9.82
(3) Tender.....	\$ 323.84	9.82
(4) Assistant Tender.....	\$ 299.84	9.82

Amounts in "Rates" column are per day

 CARP0409-005 07/01/2010

	Rates	Fringes
Drywall		
DRYWALL INSTALLER/LATHER....	\$ 37.35	11.08
STOCKER/SCRAPPER.....	\$ 10.00	6.67

 CARP0409-008 08/01/2010

	Rates	Fringes
Modular Furniture Installer.....	\$ 17.00	7.41

 ELEC0952-001 07/27/2015

	Rates	Fringes
Electricians: (All work		
within 32 road miles from the		
nearest base point)		
Cable Splicer.....	\$ 43.67	3%+18.35

Electrician Transportation Systems Technician Journeyman Wireman - Street Lighting & Traffic Signals.....\$ 39.74	20.35
Transportation Systems Technician - Street Lighting & Traffic Signals..\$ 40.39	20.92

ALL WORK MORE THAN 32 ROAD MILES FROM NEAREST BASE POINT:
Add \$5.00 to the basic hourly rate. BASE POINTS: the main
Post Office in the cities of Camarillo, Oak View, Oxnard,
Santa Paula and Ventura.

ELEC0952-003 05/26/2014

COMMUNICATIONS AND SYSTEMS WORK

	Rates	Fringes
Communications System		
Installer.....\$ 29.27		13.06
Technician.....\$ 30.10		12.78

SCOPE OF WORK:

Installation, testing, service and maintenance of systems utilizing the transmission and/or transference of voice, sound, vision and digital for commercial, educational, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call systems, radio page, school intercom and sound, burglar alarms, fire alarm (see last paragraph below) and low voltage master clock systems in commercial buildings. Communication Systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding all other data systems or multiple systems which include control function or power supply; excluding installation of raceway systems, conduit systems, line voltage work, and energy management systems. Does not cover work performed at China Lake Naval Ordnance Test Station. Fire alarm work shall be performed at the current inside wireman total cost package.

ELEV0018-001 01/01/2015

	Rates	Fringes
ELEVATOR MECHANIC.....\$ 49.90		28.38

FOOTNOTE:

PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after

Thanksgiving, and Christmas Day.

 ENGI0012-003 07/06/2015

	Rates	Fringes
OPERATOR: Power Equipment (All Other Work)		
GROUP 1.....	\$ 39.95	23.35
GROUP 2.....	\$ 40.73	23.35
GROUP 3.....	\$ 41.02	23.35
GROUP 4.....	\$ 42.51	23.35
GROUP 5.....	\$ 41.86	23.35
GROUP 6.....	\$ 41.83	23.35
GROUP 8.....	\$ 42.84	23.35
GROUP 9.....	\$ 42.19	23.35
GROUP 10.....	\$ 42.96	23.35
GROUP 11.....	\$ 42.31	23.35
GROUP 12.....	\$ 43.13	23.35
GROUP 13.....	\$ 43.23	23.35
GROUP 14.....	\$ 43.26	23.35
GROUP 15.....	\$ 43.34	23.35
GROUP 16.....	\$ 43.46	23.35
GROUP 17.....	\$ 43.63	23.35
GROUP 18.....	\$ 43.73	23.35
GROUP 19.....	\$ 43.84	23.35
GROUP 20.....	\$ 43.96	23.35
GROUP 21.....	\$ 44.13	23.35
GROUP 22.....	\$ 44.23	23.35
GROUP 23.....	\$ 44.34	23.35
GROUP 24.....	\$ 44.46	23.35
GROUP 25.....	\$ 44.63	23.35
OPERATOR: Power Equipment (Cranes, Piledriving & Hoisting)		
GROUP 1.....	\$ 41.30	23.35
GROUP 2.....	\$ 42.08	23.35
GROUP 3.....	\$ 42.37	23.35
GROUP 4.....	\$ 42.51	23.35
GROUP 5.....	\$ 42.73	23.35
GROUP 6.....	\$ 42.84	23.35
GROUP 7.....	\$ 42.96	23.35
GROUP 8.....	\$ 43.13	23.35
GROUP 9.....	\$ 43.30	23.35
GROUP 10.....	\$ 44.30	23.35
GROUP 11.....	\$ 45.30	23.35
GROUP 12.....	\$ 46.30	23.35
GROUP 13.....	\$ 47.30	23.35
OPERATOR: Power Equipment (Tunnel Work)		
GROUP 1.....	\$ 41.80	23.35
GROUP 2.....	\$ 42.58	23.35
GROUP 3.....	\$ 42.87	23.35
GROUP 4.....	\$ 43.01	23.35
GROUP 5.....	\$ 43.23	23.35
GROUP 6.....	\$ 43.34	23.35
GROUP 7.....	\$ 43.46	23.35

PREMIUM PAY:
 \$3.75 per hour shall be paid on all Power Equipment Operator

work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine operator, small auger types (Texoma super economatic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator,

bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter (concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (guniting work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor; Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling

pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity): Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less than 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth-moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self-loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote-control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 50 cu. yds. struck); Tandem tractor operator (operating crawler type tractors in tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating with the tandem push-pull system (multiple engine, up to and including 25 yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system

(single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

CRANES, PILEDRIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading shield (tunnel); Pumpcrete gun operator; Tractor compressor drill combination operator; Tugger hoist operator (2 drum); Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

ENGINEERS ZONES

\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N,m R14E, San Bernardino

Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, as that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of T31S, R32E, MDM. Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SMB to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south boundary of T1s, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1, T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34. T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a think strip between T11N SBM

and T32S MDM]. Continue North along the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

 ENGI0012-004 08/01/2015

	Rates	Fringes
OPERATOR: Power Equipment		
(DREDGING)		
(1) Leverman.....	\$ 49.50	23.60
(2) Dredge dozer.....	\$ 43.53	23.60
(3) Deckmate.....	\$ 43.42	23.60
(4) Winch operator (stern winch on dredge).....	\$ 42.87	23.60
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 42.33	23.60
(6) Barge Mate.....	\$ 42.94	23.60

 IRON0377-002 07/01/2015

Rates	Fringes
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Ironworkers:		
Fence Erector.....	\$ 27.08	20.21
Ornamental, Reinforcing and Structural.....	\$ 33.50	28.85

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island, Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LAB00300-005 01/01/2014

	Rates	Fringes
Asbestos Removal Laborer.....	\$ 28.00	15.25

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos- containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

LAB00345-001 07/01/2014

	Rates	Fringes
LABORER (GUNITE)		
GROUP 1.....	\$ 34.79	17.92
GROUP 2.....	\$ 33.84	17.92
GROUP 3.....	\$ 30.30	17.92

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure, when such structure is in excess of

75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen

LABO0585-001 08/01/2015

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 35.74	16.48
GROUP 2.....	\$ 36.06	16.48
GROUP 3.....	\$ 36.52	16.48
GROUP 4.....	\$ 37.21	16.48
LABORER		
GROUP 1.....	\$ 31.39	16.78
GROUP 2.....	\$ 31.94	16.78
GROUP 3.....	\$ 32.49	16.78
GROUP 4.....	\$ 34.04	16.78
GROUP 5.....	\$ 34.39	16.78

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea

chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.)

GROUP 2: Chucktender, cabletender; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller); Bull gang mucker, track person; Concrete crew, including rodder and spreader

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

LAB00585-003 07/01/2014

	Rates	Fringes
Brick Tender.....	\$ 29.12	15.78

LAB01184-001 08/01/2015

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 32.60	12.16
(2) Vehicle Operator/Hauler.	\$ 32.77	12.16
(3) Horizontal Directional Drill Operator.....	\$ 34.62	12.16
(4) Electronic Tracking Locator.....	\$ 36.62	12.16
Laborers: (STRIPING/SLURRY SEAL)		
GROUP 1.....	\$ 33.76	15.04
GROUP 2.....	\$ 35.06	15.04
GROUP 3.....	\$ 37.07	15.04
GROUP 4.....	\$ 38.81	15.04

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and

preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

LAB01414-001 08/05/2015

	Rates	Fringes
LABORER		
PLASTER CLEAN-UP LABORER....	\$ 30.16	17.11
PLASTER TENDER.....	\$ 32.71	17.11

Work on a swing stage scaffold: \$1.00 per hour additional.

PAIN0036-007 07/01/2015

	Rates	Fringes
Painters:		
(1) Repaint Including Lead Abatement.....	\$ 24.19	12.83
(2) High Iron & Steel.....	\$ 30.70	12.83
(3) Journeyman Painter including Lead Abatement....	\$ 28.70	12.83
(4) Industrial.....	\$ 32.02	12.83
(5) All other work.....	\$ 28.70	12.83

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities.

HIGH IRON & STEEL:
Aerial towers, towers, radio towers, smoke stacks, flag poles (any flag poles that can be finished from the ground with a ladder excluded), elevated water towers, steeples and domes in their entirety and any other extremely high and hazardous work, cooning steel, bos'n chair, or other similar devices, painting in other high hazardous work shall be classified as high iron & steel

 PAIN0036-008 10/01/2015

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 36.18	16.82

 PAIN0036-015 06/01/2015

	Rates	Fringes
GLAZIER.....	\$ 40.70	20.92

FOOTNOTE: Additional \$1.25 per hour for work in a condor,
 from the third (3rd) floor and up Additional \$1.25 per
 hour for work on the outside of the building from a swing
 stage or any suspended contrivance, from the ground up

 PAIN1247-002 01/01/2015

	Rates	Fringes
SOFT FLOOR LAYER.....	\$ 29.85	13.56

 PLAS0200-009 08/05/2015

	Rates	Fringes
PLASTERER.....	\$ 38.44	13.77

 PLAS0500-002 07/01/2015

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.30	20.65

 PLUM0016-001 07/01/2015

	Rates	Fringes
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PLUMBER/PIPEFITTER

Plumber and Pipefitter
 All other work except
 work on new additions and
 remodeling of bars,
 restaurant, stores and
 commercial buildings not
 to exceed 5,000 sq. ft.
 of floor space and work
 on strip malls, light
 commercial, tenant
 improvement and remodel
 work.....

\$ 45.96 20.71

Work ONLY on new additions
 and remodeling of bars,
 restaurant, stores and
 commercial buildings not
 to exceed 5,000 sq. ft. of
 floor space.....

\$ 44.54 19.73

Work ONLY on strip malls,
light commercial, tenant
improvement and remodel
work.....

.....\$ 35.16 18.06

PLUM0345-001 07/01/2014

	Rates	Fringes
PLUMBER		
Landscape/Irrigation Fitter..	\$ 29.27	19.75
Sewer & Storm Drain Work....	\$ 33.24	17.13

ROOF0036-002 08/01/2014

	Rates	Fringes
ROOFER.....	\$ 35.02	13.57

FOOTNOTE: Pitch premium: Work on which employees are exposed to pitch fumes or required to handle pitch, pitch base or pitch impregnated products, or any material containing coal tar pitch, the entire roofing crew shall receive \$1.75 per hour "pitch premium" pay.

SFCA0669-010 07/01/2013

DOES NOT INCLUDE PORT HUENEME, PORT MUGU, THE CITY OF SANTA PAULA, AND THAT PART OF VENTURA COUNTY WITHIN 25 MILES OF THE CITY LIMITS OF LOS ANGELES:

	Rates	Fringes
SPRINKLER FITTER..... (FIRE)	\$ 34.19	19.37

SFCA0709-001 01/01/2015

PORT HUENEME, PORT MUGU, THE CITY OF SANTA PAULA, AND THAT PART OF VENTURA COUNTY WITHIN 25 MILES OF THE CITY LIMITS OF LOS ANGELES:

	Rates	Fringes
SPRINKLER FITTER (Fire).....	\$ 40.46	24.17

SHEE0273-002 08/01/2015

	Rates	Fringes
SHEET METAL WORKER.....	\$ 40.50	26.67

HOLIDAYS: New Year's Day, Martin Luther King Day, President's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day & Friday after, -
Christmas Day

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 28.24	25.24
GROUP 2.....	\$ 28.39	25.24
GROUP 3.....	\$ 28.52	25.24
GROUP 4.....	\$ 28.71	25.24
GROUP 5.....	\$ 28.74	25.24
GROUP 6.....	\$ 28.77	25.24
GROUP 7.....	\$ 29.02	25.24
GROUP 8.....	\$ 29.27	25.24
GROUP 9.....	\$ 29.47	25.24
GROUP 10.....	\$ 29.77	25.24
GROUP 11.....	\$ 30.27	25.24
GROUP 12.....	\$ 30.70	25.24

WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional.

[29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that

no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

APPENDIX – 2
CITY OF MOORPARK
SWPPP FORM

City of Moorpark Stormwater Pollution Control Plan

Less Than One Acre*

SWPCP No. _____

(City Engineer/Public Works Director will assign # upon first review of SWPCP)

Project is (circle one): Public¹ Private

Project Name: _____

Project Number: _____

Project Location: _____

Capital Improvement Project No.:² _____

Project Contractor Responsible for
SWPCP Implementation: _____

Name/Phone Number

Construction Start Date: _____

Construction Completion Date: _____

SWPCP Prepared by:

Name and Title: _____

Company Name: _____

Phone Number: _____

Date: _____

*This SWPCP is required for all projects that **disturb less than one acre of soil**. If the project **disturbs one or more acres of soil**, it is subject to the State General Construction NPDES Permit and related SWPPP (see p. 68 of Ventura County Municipal Stormwater Permit, Order R4-2010-0108).

One Acre equals 43,560 square feet.

¹ Public refers to the City of Moorpark, not other public agencies.

² A CIP number is assigned to Public projects administered by the City of Moorpark.

REQUIREMENTS FOR A STORMWATER POLLUTION CONTROL PLAN

Prior to the issuance of any construction/grading permit and/or the commencement of any clearing, grading or excavation, contractors of projects with construction activities shall prepare and submit a Stormwater Pollution Control Plan (SWPCP), on the form provided herein, for the review and approval of the City Engineer/Public Works Director or his designee.

The purpose of the SWPCP is to identify potential pollutant sources that may affect the quality of discharges and to design the use and placement of Best Management Practices (BMPs) to effectively prohibit the entry of pollutants from the construction site into the storm drain system during construction. Erosion and sediment source control BMPs should be considered for both active and inactive (previously disturbed) construction areas. BMPs for wind erosion and dust control are also included. The SWPCP may require modification as the project progresses and as conditions warrant.

The SWPCP shall be developed and implemented in accordance with the Ventura Countywide Stormwater Quality Management Program, National Pollutant Discharge Elimination System (NPDES) Permit No. CAS004002 (Order R4-2010-0108), and any other requirements established by the City of Moorpark.

The applicant/owner is responsible for ensuring that all project contractors and subcontractors implement all applicable BMPs.

Page 9 of the SWPCP template addresses requirements for BMPS/control measures to treat post-construction stormwater runoff under the Ventura County Stormwater Quality Urban Impact Mitigation Plan (SQUIMP). To see if this project qualifies for SQUIMP, please call the City of Moorpark City Engineer/Public Works Director at 805-517-6285 or dklotzle@ci.moorpark.ca.us.

STORMWATER POLLUTION CONTROL PLAN

Definitions:

SWPCP- Stormwater Pollution Control Plan
BMP - Best Management Practice

The SWPCP and BMP references are from the California BMP Handbook, Construction, January 2003; and the Caltrans Stormwater Quality Handbook – Construction Site BMP Manual, March 2003.

Responsible Party Information

Project Owner/Developer: _____

Mailing Address: _____

City: _____

State: _____

Zip: _____

Phone: _____

Contractor Information

Contractor : _____

Mailing Address: _____

City: _____

State: _____

Zip: _____

Phone: _____

Contractor's Authorized _____

Representative: _____

Phone: _____

Estimated Construction Start Date: _____

Estimated Construction Completion _____

Date: _____

Site Map Requirements

In addition to proposed construction plans, provide the following information, *if applicable*.

- Parcel Size = _____ square feet (one acre equals 43,560 square feet).
Note: Before a grading permit is issued, the City of Moorpark will require proof of receipt of a Notice of Intent for the State National Pollutant Discharge Elimination System General Construction Permit for all construction projects that have a parcel size of one acre or more or that are less than one acre but the site is part of a larger common area of development or sale.
- Boundary of construction site: construction area = _____ square feet.
- Existing paved areas and buildings.
- Areas of existing vegetation to be protected/preserved.
- Areas where it is known that toxic materials have been stored, disposed, spilled, or leaked onto the construction site.
- Affected water courses, lakes, wetlands, springs, and wells.
- Watershed boundary of offsite areas that drain into construction site.
- Boundary of drainage area where stormwater leaves property.
- Areas of soil disturbance and locations of potential soil erosion areas requiring BMPs during construction.
- Areas of cut and fill.
- Drainage patterns and slopes anticipated after major grading activities.
- Locations of existing storm drain facilities.
Types and locations of stormwater structures, controls, and/or BMPs that will be built/utilized to control stormwater pollution during construction. Provide a brief description of BMPs selected and, if appropriate, attach modified fact sheets or additional information.
- Construction and erosion control material storage areas.
- Temporary stockpile and construction waste storage areas.
- Construction vehicle storage and service areas.

The above information should be updated as needed to meet evolving construction conditions.

Inventory of Contractor's Activities and Special Conditions

1. Describe construction materials, equipment, and vehicles that will be used onsite.
2. Describe the existing soil and source description of fill material (reference or attach soils report).
3. Provide a description of special site conditions that may contribute pollutants to all discharges and how they are to be controlled.
4. Describe stormwater structures/controls on the site prior to construction and how these structures/controls will be integrated into the SWPCP to reduce sediment and other pollutants in all discharges.
5. Provide the sequence for implementation or installation or proposed BMPs.
6. List waters, other than stormwater, which will flow from the site during dry weather, the approximate amount of flow, and methods for preventing or treating these dry weather flows.
7. **Hillside or Construction Discharging Directly to Sediment Impaired Waterbody** – Contractor shall implement enhanced BMPs on sites located on a hillside (contains slopes that are 20% or greater) or that discharge directly to the Arroyo Simi. For a list of enhanced BMPs see Table 9 in Part 4.F.4 in the Ventura County Municipal Stormwater Permit (Order No. R4-2010-0057). The Permit may be obtained online or by request from the Public Works Senior Management Analyst (skroes@ci.moorpark.ca.us). In addition to enhanced BMPs, these types of sites must be inspected by a qualified SWPPP Developer at least weekly during the wet season and once each 24 hour period during a storm event that generates runoff from the site to identify BMPs that need maintenance to operate effectively, that have failed or could fail to operate as intended.

Attach sheets if additional space is required.

Monitoring, Inspection, and Maintenance Requirements

1. Implement maintenance/repair efforts to ensure that the required BMPs are in good and effective condition. (A maintenance/repair plan is attached? Yes No)
2. Before start of construction and during contract annually train all site personnel responsible for installing, inspecting, and maintaining BMPs: (Training program/material attached? Yes No) Document training on Attachment 2. **Contractor must forward copy of training record to the City Engineer/Public Works Director.**
3. Keep records and document on Inspection form (Attachment 1):
 - annual inspection
 - pre-storm inspection
 - post-storm inspection

Best Management Practices - BMPs

Complete the following charts. The BMPs listed may be used if applicable or adequate. Additional BMPs may apply. Please do not attach the BMP Fact Sheets referenced from the CASQA or Caltrans BMP Handbooks to the City's copy of the SWPCP; however, the BMP Fact Sheets must be attached to the SWPCP that is kept at the construction site. BMPs can be downloaded from the CASQA website www.casqa.org or Caltrans website <http://www.caltrans.ca.gov>.

CASQA or Caltrans BMPs Selected – Noted by Ref. ID from the BMP Handbooks		Use BMP		(If no, state reason)
		Yes	No	
Erosion Control BMPs				
EC-1 or SS-1	Scheduling			
EC-2 or SS-2	Preservation of Existing Vegetation			
Sediment Control BMPs				
SE-1 or SC-1	Silt Fence			
SE-8 or SC-8	Sandbag Barrier			
TC-1	Stabilized Construction Entrance/Exit			
Non-Stormwater Management				
NS-1	Water Conservation Practices			
NS-2	Dewatering Operations			
Waste Management				
WM-1	Material Delivery & Storage			
WM-3	Stockpile Management			
WM-4	Spill Prevention & Control			
WM-5	Solid Waste Management			
WM-8	Concrete Waste Management			
WM-9	Sanitary/Septic Waste Mgmt.			
Additional BMPs Selected				
	Hillside (20%> slope) or Direct Discharge to Arroyo Simi			If applicable, apply Table 9 from Order No. R4-2010-0108

See Attachment 3 for BMPs required for roadbed or street paving, repaving, patching, digouts, or resurfacing roadbed surfaces.

**POST CONSTRUCTION TREATMENT CONTROL BMPs – Land Based Treatment				
BMPs below are from VC Technical Guidance Manual for Stormwater Treatment				
		Yes	No	Reason for Rejection
Post Construction Treatment Control BMPs - Infiltration				
T-10* TC-10	Infiltration Trench			
T-9* TC-11	Infiltration Basin			
TC-12	Retention/Irrigation			
Post Construction Treatment Control BMPs – Detention & Settling				
T-4* TC-20	Wet Detention Basin			
T-5* TC-21	Constructed Wetland Basin			
T-3* TC-22	Extended Detention Basin			
Post Construction Treatment Control BMPs – Biofiltration				
T-2* TC-30	Grass Swale Filter Vegetated Swale			
T-1* TC-31	Grass Strip Filter Vegetated Buffer Strip			
T-7* & T-8* TC-32	Porous Landscape or Pavement Detention Bioretention			
Post Construction Treatment Control BMPs – Filtration				
T-11* MP-40	Media Filter Media Filter (Proprietary)			
T-6* TC-40	Sand Filter Media Filter			
Post Construction Treatment Control BMPs – Proprietary Devices				
Proprietary devices will only be considered after standard treatment control measures in the Tech. Manual (T-1 – T-11) have been rejected. The alternative measure must be suitable for the specific land use and pollutant to be removed. Please see p. 5-120 of the Technical Guidance Manual.				
TC-50	Water Quality Inlet			
MP-50	Wet Vault (Proprietary)			
MP-51	Vortex Separator (Proprietary)			
MP-52	Drain Inserts (Proprietary)			
Post Construction Treatment Control BMPs – Other				
TC-60	Multiple Systems			
* These are devices listed in the VC Tech Manual which the developer should consider first before considering the devices in CA BMP Handbook. Refer to SQUIMP requirements, available at www.vcstormwater.org for applicability of post-construction stormwater runoff treatment measures. This list will be updated upon adoption of the VC Municipal SW Permit Order 10-0108 Tech Manual.				

CERTIFICATION

Contractor

As the Contractor of record, I have selected appropriate BMPs to effectively minimize the negative impacts of this project's construction activities on stormwater quality. The project owner is aware that the selected BMPs must be installed, monitored, and maintained to ensure their effectiveness. The BMPs not selected for implementation are redundant or deemed not applicable to the proposed construction activity.

Name: _____ Title: _____

Signature: _____ Date: _____

Owner/Developer:

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who managed the system or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete. I am aware that submitting false and/or inaccurate information, failing to update the SWPCP to reflect current conditions, or failing to properly and/or adequately implement the SWPCP may result in revocation of grading and/or other permits or other sanctions provided by law.

Name: _____ Title: _____

Signature: _____ Date: _____

REVIEWED BY CITY:

Name: _____ Title: _____

Signature: _____ Date: _____

Acceptance or approval of this Stormwater Pollution Control Plan in no way precludes the authority of the agency to require modification to the plan as conditions warrant nor does the agency take responsibility for performance of BMPs provided for in the plan.

Stormwater Pollution Control Plan for Projects Under One Acre

**ATTACHMENT 1 TO SWPCP
CONSTRUCTION SITE INSPECTION CHECKLIST**

Contractor shall complete this checklist and keep a copy with the SWPCP a minimum of:

- Monthly during nonrainy season (April 16 through September 30)
- Weekly during rainy season (Oct. 1 through April 15)
- Before, during and after a significant rain event (.25" or greater)
- All hillside sites or sites that directly discharge to Arroyo Simi must be inspected by a qualified SWPPP Developer at least weekly during the wet season and once each 24 hour period during a storm event that generates runoff from the site to identify BMPs that need maintenance to operate effectively, that have failed or could fail to operate as intended.

DATE OF INSPECTION: _____

Project Name: _____ **Contractor:** _____

Weather Conditions during inspection: _____

	Item	Compliance Accomplished			Date Completed
		YES	NO	N/A	
1	Is the site entrance stabilization adequate?				
2	Are equipment/vehicles parked in designated areas and free from significant leaks? Are drip pans present as needed?				
3	Are maintenance areas free from stains on the soil?				
4	Are all materials stored in bins or covered in plastic and protected from stormwater?				
5	Is construction waste being disposed of in proper trash containers?				
6	Are concrete washout stations present and being utilized and maintained?				
7	Is fugitive dust being controlled and water being used as needed?				
8	Are catch basins, drainage channels, drain inlets/outlets being protected?				
9	Are erosion control measures (BMPs) identified in SWPCP in place and effective?				
10	Are sediment control measures (BMPs) identified in SWPCP in place and effective?				
11	If applicable, are enhanced BMPs identified in #7 on p. 5 of SWPCP being implemented as appropriate?				

Comments: _____

I certify under penalty of law that this inspection is true, and I or a qualified assigned person has performed the required inspection as stated in the SWPCP.

Inspector Signature

Contractor Signature

**ATTACHMENT 2 TO SWPCP
TRAINED CONTRACTOR PERSONNEL LOG**

Employees and subcontractors must be trained on the SWPCP prior to start of construction and annually thereafter. Contractor shall keep original training logs in the SWPCP and forward a copy to the City Engineer/Public Works Director.

Stormwater Management Training Log

Project Name: _____

Project Number/Location: _____

Stormwater Management Topic: (check as appropriate)

- | | |
|--|---|
| <input type="checkbox"/> Erosion Control | <input type="checkbox"/> Sediment Control |
| <input type="checkbox"/> Wind Erosion Control | <input type="checkbox"/> Tracking Control |
| <input type="checkbox"/> Non-stormwater management | <input type="checkbox"/> Waste Management and Materials Pollution Control |
| <input type="checkbox"/> Stormwater Sampling | |

Specific Training Objective: _____

Location: _____

Date: _____

Instructor: _____

Telephone: _____

Course Length (hours): _____

Attendee Roster (attach additional forms if necessary)

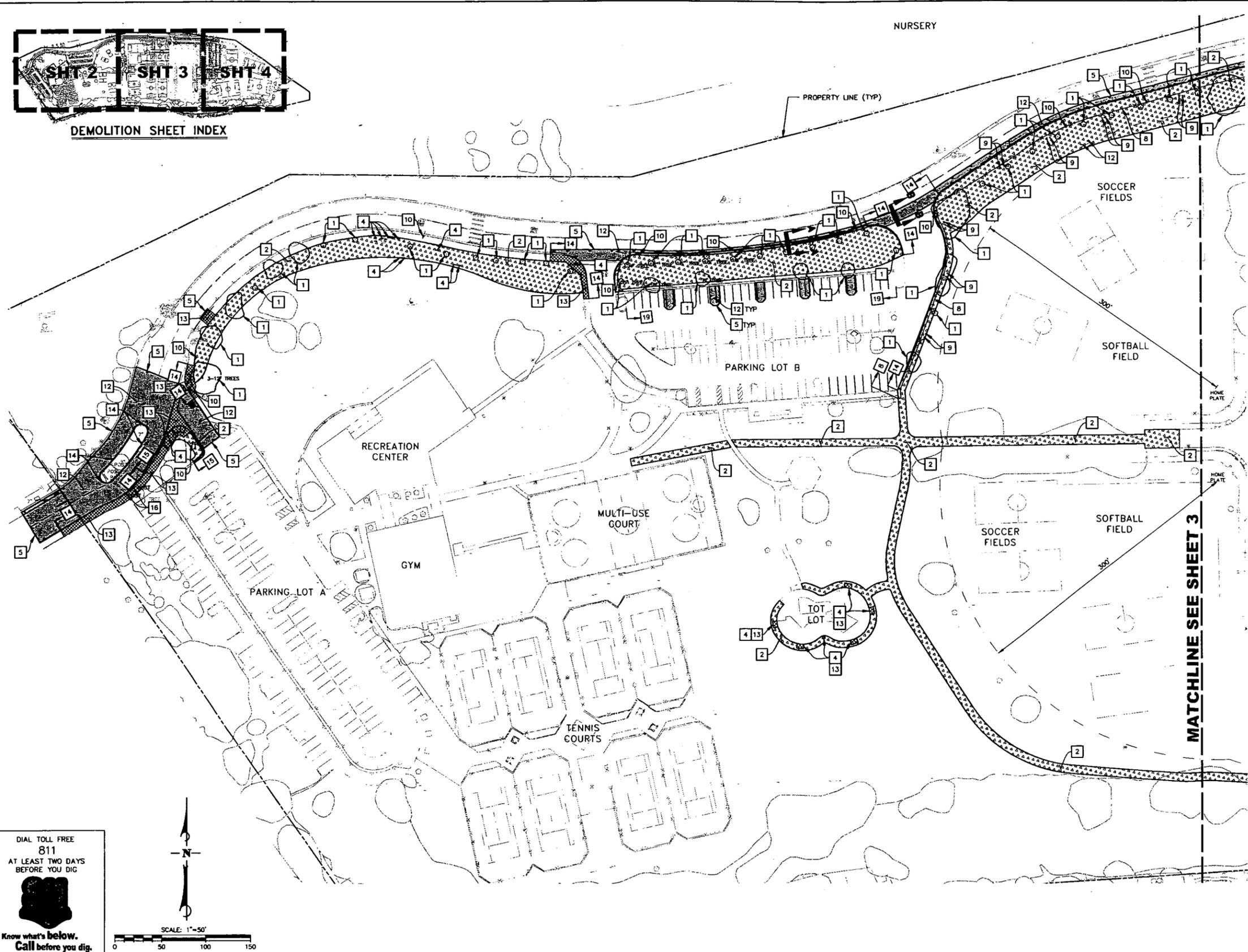
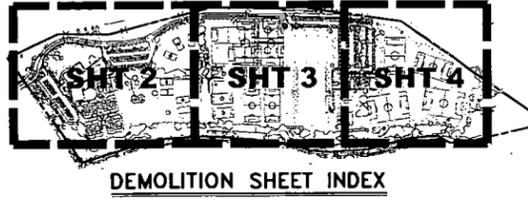
Name	Company	Phone

COMMENTS:

ATTACHMENT 3 TO SWPCP ROADWAY PAVING OR REPAVING OPERATIONS

A project that includes roadbed or street paving, repaving, patching, digouts, or resurfacing roadbed surfaces shall include the following BMPs.

1. Restrict paving and repaving activity to exclude periods of rainfall or predicted rainfall unless required by emergency conditions.
2. Install sand bags or gravel bags and filter fabric at all susceptible storm drain inlets and at manholes to prevent spills of paving products and tack coat.
3. Prevent the discharge of release agents including soybean oil, other oils, or diesel to the storm water drainage system or receiving waters.
4. Minimize non storm water runoff from water use for the roller and for evaporative cooling of the asphalt.
5. Clean equipment over absorbent pads, drip pans, plastic sheeting or other material to capture all spillage and dispose of properly.
6. Collect liquid waste in a container, with a secure lid, for transport to a maintenance facility to be reused, recycled or disposed of properly.
7. Collect solid waste by vacuuming or sweeping and securing in an appropriate container for transport to a maintenance facility to be reused, recycled or disposed of properly.
8. Cover the "cold-mix" asphalt (i.e. pre-mixed aggregate and asphalt binder) with protective sheeting during a rainstorm.
9. Cover loads with tarp before haul-off to a storage site, and do not overload trucks.
10. Minimize airborne dust by using water spray during grinding.
11. Avoid stockpiling soil, sand, sediment, asphalt material and asphalt grinding materials or rubble in or near storm water drainage system or receiving waters.
12. Protect stockpiles with a cover or sediment barriers during a rain.



- ### DEMOLITION NOTES
- 1 REMOVE EXISTING TREE.
 - 2 REMOVE EXISTING LANDSCAPING, CLEAR AND GRUB TO LIMITS SHOWN.
 - 3 RELOCATE EXISTING SOCCER GOAL POST. COORDINATE LOCATION WITH PARK FACILITIES MANAGER.
 - 4 REMOVE, SALVAGE AND RELOCATE EXISTING IMPROVEMENT UTILITY.
 - 5 SAWCUT AND REMOVE EXISTING PAVEMENT TO LIMITS SHOWN.
 - 6 PROTECT-IN-PLACE EXISTING PUMP HOUSE.
 - 7 PROTECT-IN-PLACE EXISTING TREE.
 - 8 REMOVE EXISTING WOODEN FENCE.
 - 9 REMOVE EXISTING WOODEN RAIL AND POSTS.
 - 10 RELOCATE EXISTING SIGN ON POST.
 - 11 REMOVE EXISTING BOLLARDS IN PLANTER ISLAND.
 - 12 REMOVE EXISTING AC PAVING PER TYPICAL SECTIONS "A-A" AND "B-B", SHEET 20.
 - 13 REMOVE EXISTING CONCRETE.
 - 14 REMOVE EXISTING CURB TO LIMITS SHOWN.
 - 15 REMOVE EXISTING CURB & GUTTER TO LIMITS SHOWN.
 - 16 REMOVE, SALVAGE AND REPLACE EXISTING GATE AS DIRECTED BY CITY REPRESENTATIVE.
 - 17 PROTECT IN PLACE EXISTING POWER POLE, GUYS, AND ASSOCIATED APPURTENANCES.
 - 18 REMOVE AND RELOCATE EXISTING WATER SERVICE, APPURTENANCES, AND FIRE HYDRANT. SEE SHEET 10 FOR RELOCATION.
 - 19 REMOVE EXISTING STRIPING TO LIMITS SHOWN.
- ### DEMOLITION LEGEND
- CLEAR AND GRUB LANDSCAPING
 - AC REMOVAL/AC GRIND TO 1.5" DEPTH
 - CONCRETE REMOVAL
 - SAWCUT PAVEMENT LIMITS

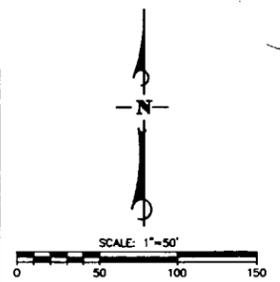
- ### GENERAL NOTES (DEMOLITION PLAN)
1. DEMOLITION SHALL CONSIST OF FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO REMOVE EXISTING STRUCTURES AND ALL OTHER OBJECTIONABLE MATERIAL FROM THE PROJECT SITE.
 2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPLACE ANY ITEMS DAMAGED DURING THE DEMOLITION PROCESS THAT ARE INTENDED TO REMAIN.
 3. ALL EXISTING UTILITIES TO BE PROTECTED IN PLACE UNLESS OTHERWISE SHOWN.
 4. ALL SURFACE FEATURES FOR EXISTING UNDERGROUND UTILITIES TO REMAIN AND BE ADJUSTED TO MATCH NEW FINISH GRADE - UNLESS OTHERWISE NOTED.
 5. REFER TO ELECTRICAL DRAWINGS FOR ELECTRICAL CONDUIT DEMOLITION AND/OR RELOCATION.
 6. CONCRETE SIDEWALKS WILL BE REMOVED TO THE NEAREST CONSTRUCTION OR EXPANSION JOINT TO THE LIMITS OF REMOVAL AS SHOWN ON THE PLANS. CONTRACTOR TO PROVIDE SAWCUT LOCATION PLAN FOR APPROVAL BY OWNER'S REPRESENTATIVE.
 7. DEMOLITION SHALL BE CONDUCTED TO LIMITS SHOWN & AS REQUIRED FOR NEW WORK.
 8. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT AND SUPPORT THE UTILITIES OR SUBSTRUCTURES FOUND AT THE SITE WHETHER OR NOT SHOWN ON THE PLANS OR EXPOSED BY CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING WORK (72-HOURS NOTICE REQUIRED). PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) TOLL FREE AT 8-1-1. CONTRACTOR SHALL PROTECT ALL EXISTING PROPERTIES FROM DAMAGE IN ACCORDANCE WITH THE SPECIFICATIONS AND SUBSECTION 7-9 OF THE SSPIC. CONTRACTOR SHALL RESTORE ALL EXISTING SURFACE AND SUBSURFACE FACILITIES DISTURBED BY CONSTRUCTION INCLUDING, BUT NOT LIMITED TO, TREES, LANDSCAPING, IRRIGATION, TRAILS, ASPHALT CONCRETE ROAD PAVING, CURB AND GUTTER, CROSS GUTTER, SIDEWALK, AND UTILITIES. POTHOLE EXISTING UTILITIES PRIOR TO CONSTRUCTION AND ADVISE OWNER OF CONFLICTS. CONTACT PURVEYORS OF UTILITY SYSTEMS SUCH AS ELECTRIC, TELEPHONE, CABLE TV, GAS OR OTHERS TO RELOCATE FACILITIES TO ALLOW FOR THE CONSTRUCTION SHOWN ON THESE PLANS, EXCEPT AS OTHERWISE SHOWN THE DEPTHS OF UTILITIES ARE NOT KNOWN.
 9. UNLESS OTHERWISE NOTED ON DRAWINGS, ALL EXISTING WIRING, CONDUITS, JUNCTION BOXES AND OTHER ELECTRICAL DEVICES IN AREAS WHERE NEW WORK OCCURS SHALL BE REMOVED, EXCEPT WHEN SUCH DEVICES ARE REQUIRED TO MAINTAIN SERVICES TO OTHER AREAS. IN SUCH CASES, CONTRACTOR SHALL RELOCATE THESE DEVICES PER INSTRUCTIONS BY OWNER'S REPRESENTATIVE.

CAUTION: UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.

DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG

Know what's below.
Call before you dig.



NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
5				
4				
3				
2				
1				



PREPARED BY:
Penfield & Smith
Engineering - Surveying - Planning
Construction Management
1377 Del Norte Road, Suite 200, Camarillo, CA 93610
Phone: (805) 981-0706 Fax: (805) 981-0251

REVISIONS:
REVISED 3/20/2015
SCOTT D. MECKSTROTH 63337 6/30/2014

DESIGNED BY:
SDM

DRAWN BY:
TJS/NLA/EMF

CHECKED BY:
BTf

APPROVED BY:
DAVID A. KLOTZLE

ENGINEERING REVIEWED BY:
RCE 55752 EXP 12/31/2014

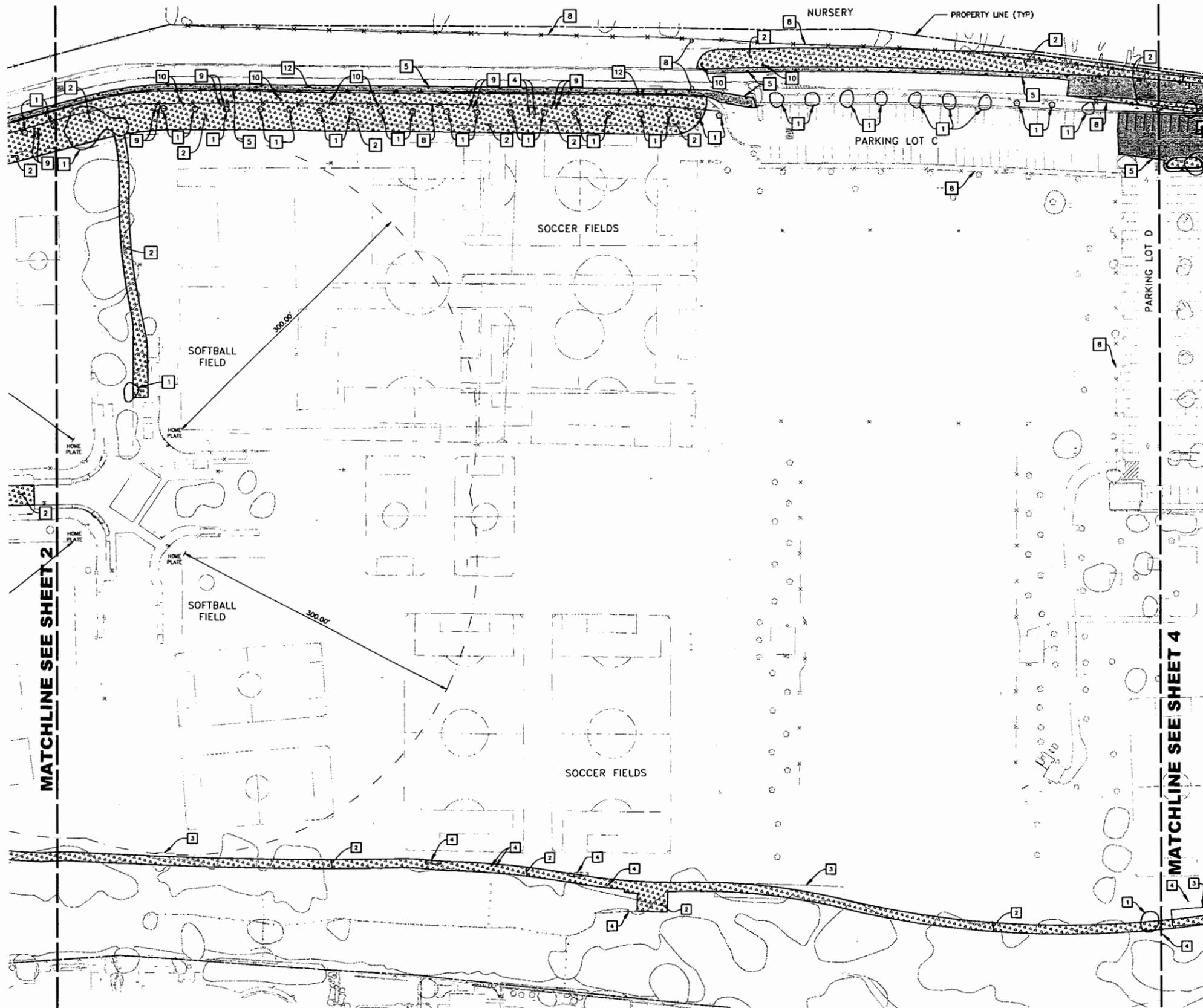


CITY OF MOORPARK
PARKS RECREATION
& COMMUNITY SERVICES

GRADING PERMIT NO.
ENGINEERING PROJECT NO.

ARROYO VISTA COMMUNITY PARK
RECREATIONAL TRAIL IMPROVEMENTS
PARKS, RECREATION & COMMUNITY DISTRICT
DEMOLITION PLAN

SHEET 2
OF 20
DRAWING NO.
14-ML-10989



DEMOLITION NOTES

- 1 REMOVE EXISTING TREE.
- 2 REMOVE EXISTING LANDSCAPING, CLEAR AND GRUB TO LIMITS SHOWN.
- 3 RELOCATE EXISTING SOCCER GOAL POST. COORDINATE LOCATION WITH PARK FACILITIES MANAGER.
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DEMOLITION LEGEND

- CLEAR AND GRUB LANDSCAPING
- AC REMOVAL/AC GRIND TO 1.5" DEPTH
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Call before you dig.

REGULATORY SERVICE ALERT (SAL) OF SOUTHERN CALIFORNIA

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
5				
4				
3				
2				
1				



PREPARED BY:
Penfield & Smith
Engineering - Surveying - Planning
Construction Management
1327 Del Norte Road, Suite 200, Camarillo, CA 93010
Phone: (805) 981-0706 Fax: (805) 981-0251

REVISIONS
SCOTT D. MECKSTROTH 63337 6/30/2014
ENGINEER'S NAME R.C.E. NO. EXP. DATE DATE

DESIGNED BY:
SOM

DRAWN BY:
TJS/NLA/EMF

CHECKED BY:
BTF

APPROVED BY:
DAVID A. KLOTZLE

ENGINEERING REVIEWED BY:
RCE 55752 EXP 12/31/2014



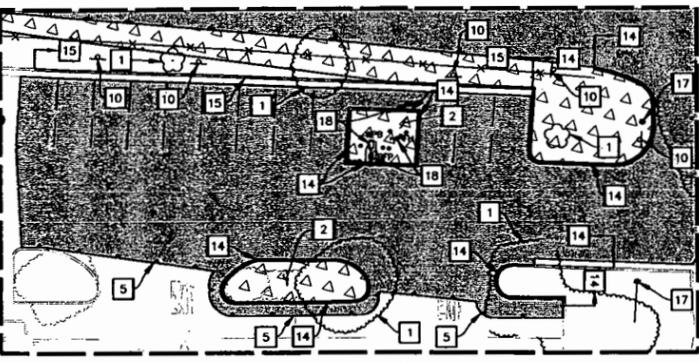
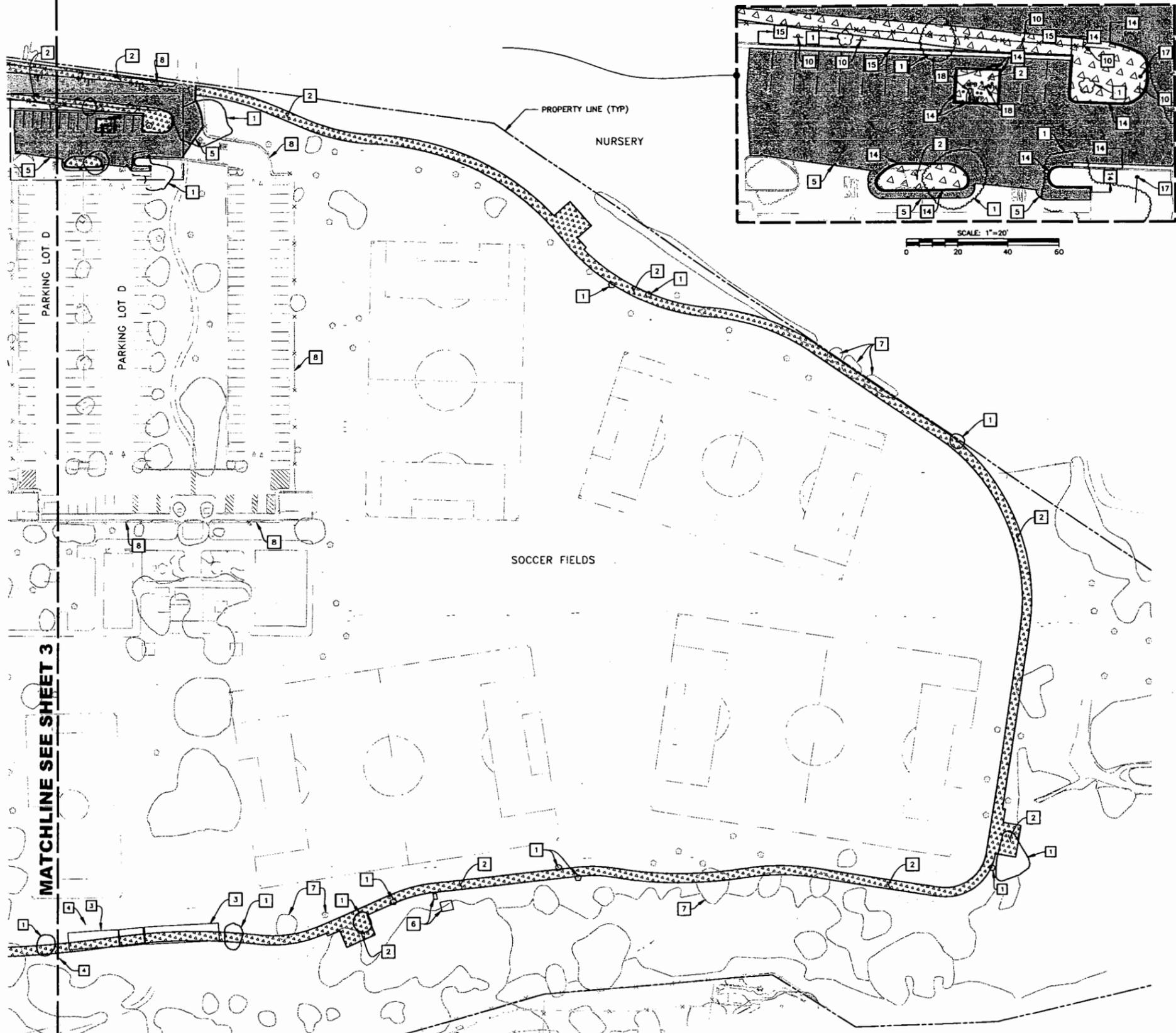
CITY OF MOORPARK
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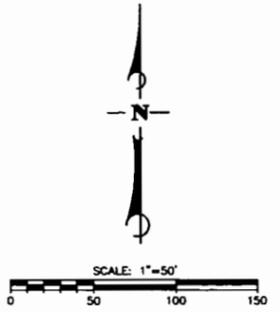
DEMOLITION PLAN

SHEET 3
OF 20
DRAWING NO.
14-ML-10989



- DEMOLITION NOTES**
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- DEMOLITION LEGEND**
- CLEAR AND GRUB LANDSCAPING
 - AC REMOVAL/AC GRIND TO 1.5" DEPTH
 - CONCRETE REMOVAL
 - SAWCUT PAVEMENT LIMITS



CAUTION: UNDERGROUND STRUCTURES

ALL UNDERGROUND UTILITIES OR STRUCTURES REPORTED BY THE OWNER OR THOSE SHOWN ON RECORDS EXAMINED ARE INDICATED WITH THEIR APPROXIMATE LOCATION AND EXTENT. THE CONTRACTOR, BY ACCEPTING THESE PLANS OR PROCEEDING WITH IMPROVEMENTS PURSUANT THERETO, UNDERSTANDS THAT THEY AGREE TO ASSUME LIABILITY, AND AGREE TO HOLD THE UNDERSIGNED HARMLESS FOR ANY LIABILITY FOR DAMAGE RESULTING FROM THE EXISTENCE OF UNDERGROUND UTILITIES OR STRUCTURES NOT REPORTED TO THE UNDERSIGNED, NOT INDICATED ON THE PUBLIC RECORDS EXAMINED, LOCATED AT VARIANCE WITH THAT REPORTED OR SHOWN ON RECORDS EXAMINED. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES OR STRUCTURES FOUND AT THE SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNERS OF THE UTILITIES OR STRUCTURES CONCERNED BEFORE STARTING TO WORK.

DIAL TOLL FREE
811
AT LEAST TWO DAYS
BEFORE YOU DIG

Know what's below.
Call before you dig.
REGULATORY SERVICE ALERT 8000 OF DIVISION OF CALIFORNIA

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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4				
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2				
1				

PREPARED BY:
Ponfield & Smith
 Engineering - Surveying - Planning
 - Construction Management -
 1327 Del Norte Road, Suite 200, Compton, CA 93010
 Phone: (805) 981-0706 Fax: (805) 981-0251

DESIGNED BY: SDM
 DRAWN BY: TJS/NLA/EMF
 CHECKED BY: BTJ
 ENGINEERING REVIEWED BY: DAVID A. KLOTZLE
 DATE: 3/20/2015

REVISOR: SCOTT D. MECKSTROTH 63337 6/30/2014
 ENGINEER'S NAME: R.C.E. NO. EXP. DATE

DESIGNED BY: SDM
 DRAWN BY: TJS/NLA/EMF
 CHECKED BY: BTJ
 ENGINEERING REVIEWED BY: DAVID A. KLOTZLE
 DATE: 3/20/2015

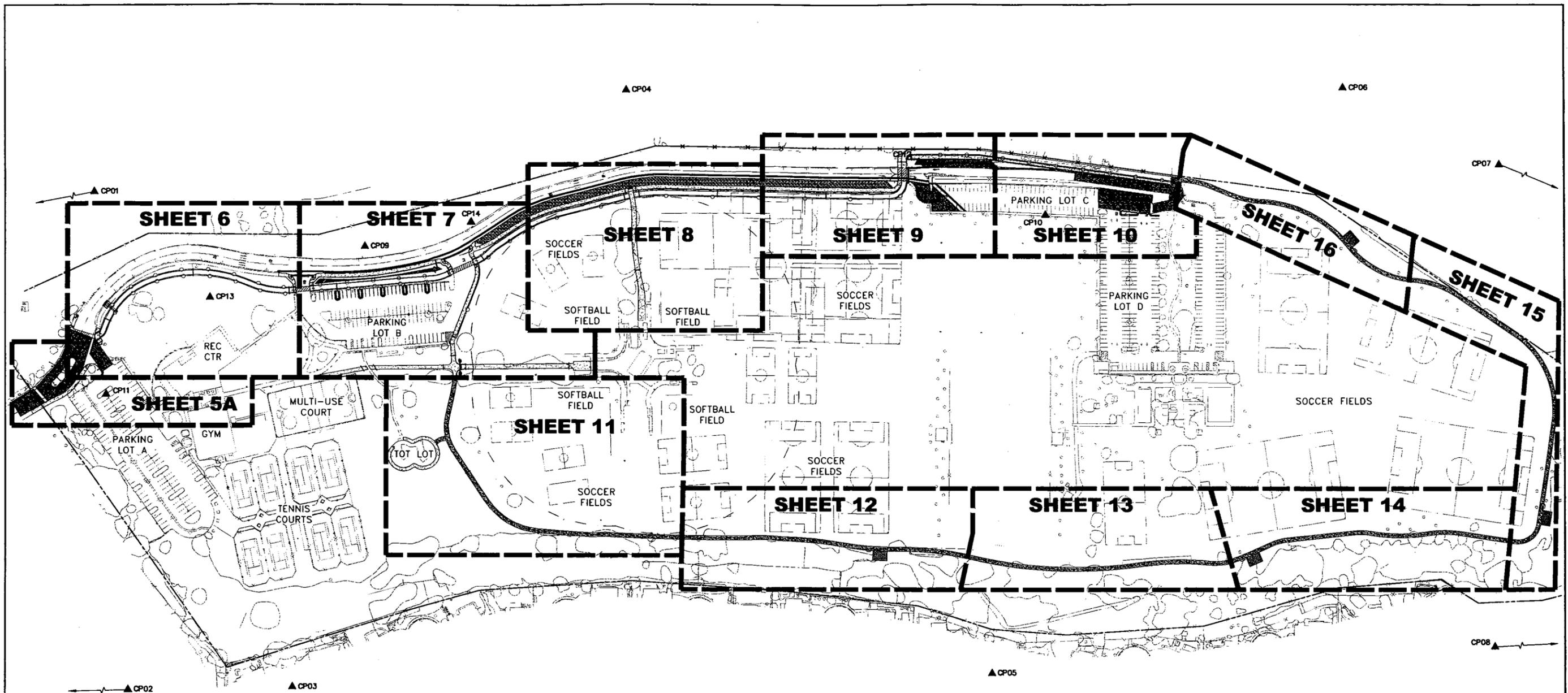
CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

GRADING PERMIT NO. _____
 ENGINEERING PROJECT NO. _____

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT

DEMOLITION PLAN

SHEET	4
OF	20
DRAWING NO.	14-ML-10989



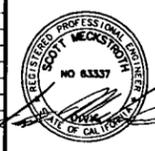
CONTROL POINTS LISTING

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP01	1923498.65	6290557.23	474.16	600 NAIL
CP02	1922478.55	6290618.39	521.60	MAG NAIL
CP03	1922492.34	6291302.00	529.04	C-NAIL
CP04	1923785.60	6292031.10	483.75	600 NAIL
CP05	1922522.87	6292830.78	536.42	MAG NAIL
CP06	1923790.55	6293592.12	494.44	600 NAIL
CP07	1923545.99	6294210.05	498.01	600 NAIL
CP08	1922598.16	6294342.81	557.23	MAG NAIL
CP09	1923447.46	6291458.94	478.92	600 NAIL
CP10	1923516.03	6292946.36	490.59	600 NAIL
CP11	1923126.76	6290891.35	477.20	SCRIBED X
CP12	1923631.07	6292671.05	487.71	600 MAG NAIL
CP13	1923337.61	6291117.03	481.23	600 MAG NAIL
CP14	1923501.52	6291692.68	480.07	600 MAG NAIL



SCALE: 1"=100'
0 100 200 300

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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4				
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2				
1				



PREPARED BY:
Penfield & Smith
 Engineering • Surveying • Planning
 • Construction Management •
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 Phone: (805) 981-0706 Fax: (805) 981-0251
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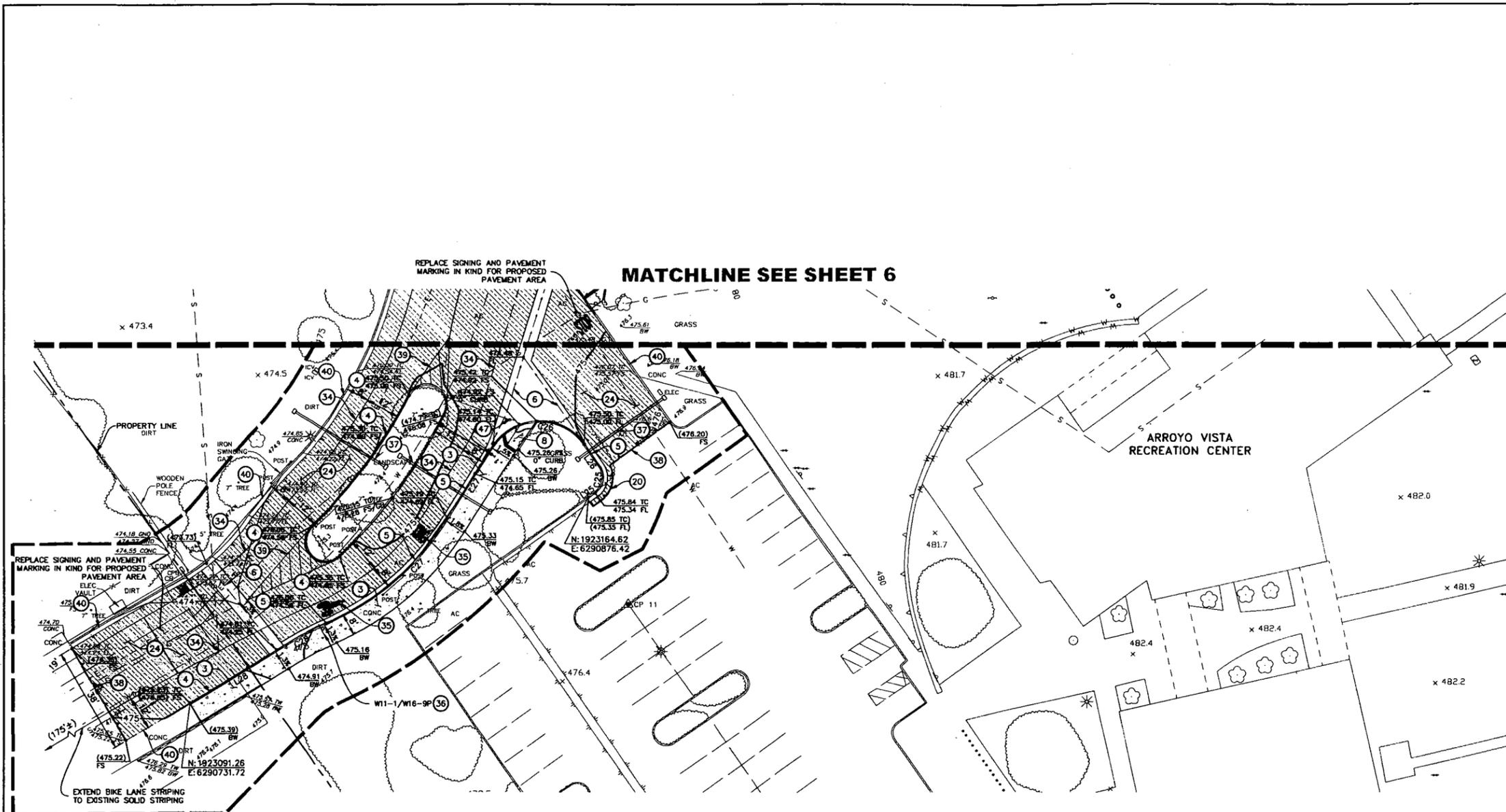
DESIGNED BY: SDM
 DRAWN BY: TJS/NLA/EMF
 CHECKED BY: BIT
 APPROVED BY: DAVID A. KLOTZLE
 J. LAURENTOWSKI RCE 55752 EXP 12/31/2014
 ENGINEERING REVIEWED BY: DATE



CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

GRADING PERMIT NO.
 ENGINEERING PROJECT NO.
ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
**GRADING SITE PLAN KEY MAP &
 CONTROL POINTS LISTING**

SHEET 5
 OF 20
 DRAWING NO.
 14-ML-10989



CONSTRUCTION NOTES

- 3 CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- 4 CONSTRUCT 6" CURB PER SPPWC PLAN 120-2, TYPE A1-6.
- 5 CONSTRUCT 6" CURB WITH 18" GUTTER PER SPPWC PLAN 120-2, TYPE A2-6.
- 6 CONSTRUCT CROSS GUTTER PER SPPWC PLAN 122-2, FOR STREET SLOPE LESS THAN 4%.
- 8 CONSTRUCT CURB RAMP PER SPPWC PLAN 111-5 CASE D, TYPE 1 AND AS MODIFIED WITHIN THESE PLANS. REFER TO GENERAL NOTE 1.
- 20 SAWCUT EXISTING PAVEMENT 2' OFFSET OF PROPOSED GUTTER EDGE WITH 1" WIDE x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 2" WIDE AC PAVING AND 1" OVERLAY (3" WIDE PATCH TOTAL), WITH TACK COAT. SEE SECTIONS A-A AND B-B, SHEET 20.
- 24 CONSTRUCT AC PAVEMENT PER DETAIL "H", SHEET 17.
- 34 CONSTRUCT BIKE LANE STRIPING PER CALTRANS STANDARD PLAN A200 DETAILS 39 AND 39A.
- 35 CONSTRUCT BIKE LANE MARKING PER MUTCD 2012.
- 36 INSTALL SIGNAGE PER MUTCD 2012, TYPE SHOWN ON PLAN.
- 37 CONSTRUCT 4" SCHEDULE 40 PVC IRRIGATION SLEEVE AND 2" ELECTRICAL CONDUIT.
- 38 SAWCUT EXISTING PAVEMENT WHERE SHOWN WITH 3' x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 3' WIDE AC OVERLAY WITH TACK COAT TO MATCH EXISTING GRADE. SIMILAR TO SECTIONS A-A AND B-B, SHEET 20.
- 39 CONSTRUCT DOUBLE YELLOW STRIPING PER CALTRANS STANDARD PLAN A208, DETAIL 28.
- 40 PROTECT IN PLACE EXISTING CURB AND GUTTER
- 47 RELOCATE EXISTING FIRE HYDRANT INSTALLATION PER VCWMD STD. PLATE NO. 1.

GENERAL NOTES (GRADING PLAN)

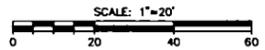
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3. ALL TRAFFIC CONTROL DEVICES, STRIPING, AND MARKINGS SHALL CONFORM TO THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CALTRANS STANDARD PLANS AND STANDARD SPECIFICATIONS AND THE CONTRACT DOCUMENTS.

LINE TABLE

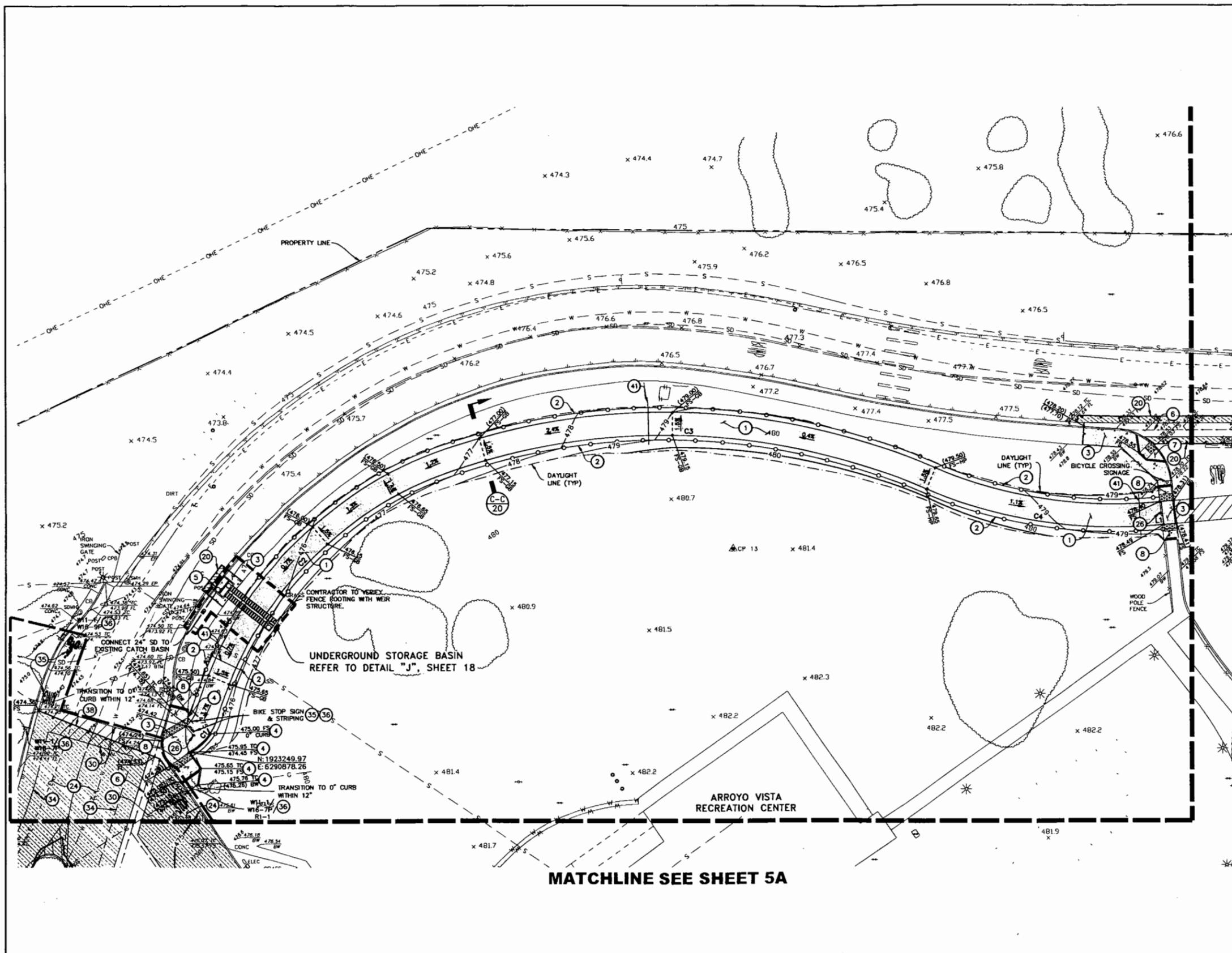
LINE	LENGTH	DIRECTION
L25	3.36	N54° 54' 38"E
L26	9.53	N35° 13' 45"W
L27	30.51	S32° 38' 31"W
L28	41.16	S59° 06' 51"W

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C25	90°08'24"	7.00	11.01
C26	112°09'44"	20.00	39.15
C27	33°44'37"	100.00	58.89
C28	7°14'17"	130.00	16.42



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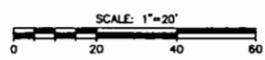
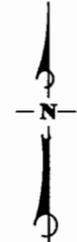


- ### CONSTRUCTION NOTES
- 1 CONSTRUCT PERVIOUS AC PAVEMENT BIKE TRAIL PER DETAIL "A", SHEET 17.
 - 2 DECORATIVE FENCE PER DETAIL "D", SHEET 19.
 - 3 CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
 - 4 CONSTRUCT 6" CURB PER SPPWC PLAN 120-2, TYPE A1-6.
 - 5 CONSTRUCT 6" CURB WITH 18" GUTTER PER SPPWC PLAN 120-2, TYPE A2-6.
 - 6 CONSTRUCT CROSS GUTTER PER SPPWC PLAN 122-2, FOR STREET SLOPE LESS THAN 4%.
 - 7 CONSTRUCT CURB RAMP PER SPPWC PLAN 111-5 CASE A, TYPE 3 AND AS MODIFIED WITHIN THESE PLANS. REFER TO GENERAL NOTE 1.
 - 8 CONSTRUCT CURB RAMP PER SPPWC PLAN 111-5 CASE D, TYPE 1 AND AS MODIFIED WITHIN THESE PLANS. REFER TO GENERAL NOTE 1.
 - 20 SAWCUT EXISTING PAVEMENT 2' OFFSET OF PROPOSED GUTTER EDGE WITH 1" WIDE x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 2" WIDE AC PAVING AND 1" OVERLAY (3" WIDE PATCH TOTAL), WITH TACK COAT. SEE SECTIONS A-A AND B-B, SHEET 20.
 - 26 CONSTRUCT REMOVABLE BOLLARD WITH EXTERNAL PADLOCK PER DETAIL "K", SHEET 18.
 - 30 CONSTRUCT CROSSWALK STRIPING PER CALTRANS STANDARD PLAN RSP A24F.
 - 34 CONSTRUCT BIKE LANE STRIPING PER CALTRANS STANDARD PLAN A200 DETAILS 39 AND 39A.
 - 35 CONSTRUCT BIKE LANE MARKING PER MUTCD 2012.
 - 36 INSTALL SIGNAGE PER MUTCD 2012, TYPE SHOWN ON PLAN.
 - 38 SAWCUT EXISTING PAVEMENT WHERE SHOWN WITH 3' x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 3" WIDE AC OVERLAY WITH TACK COAT TO MATCH EXISTING GRADE. SIMILAR TO SECTIONS A-A AND B-B, SHEET 20.
 - 41 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
 - 42 6" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
 - 43 3" SCHEDULE 40 PVC - IRRIGATION SLEEVE.

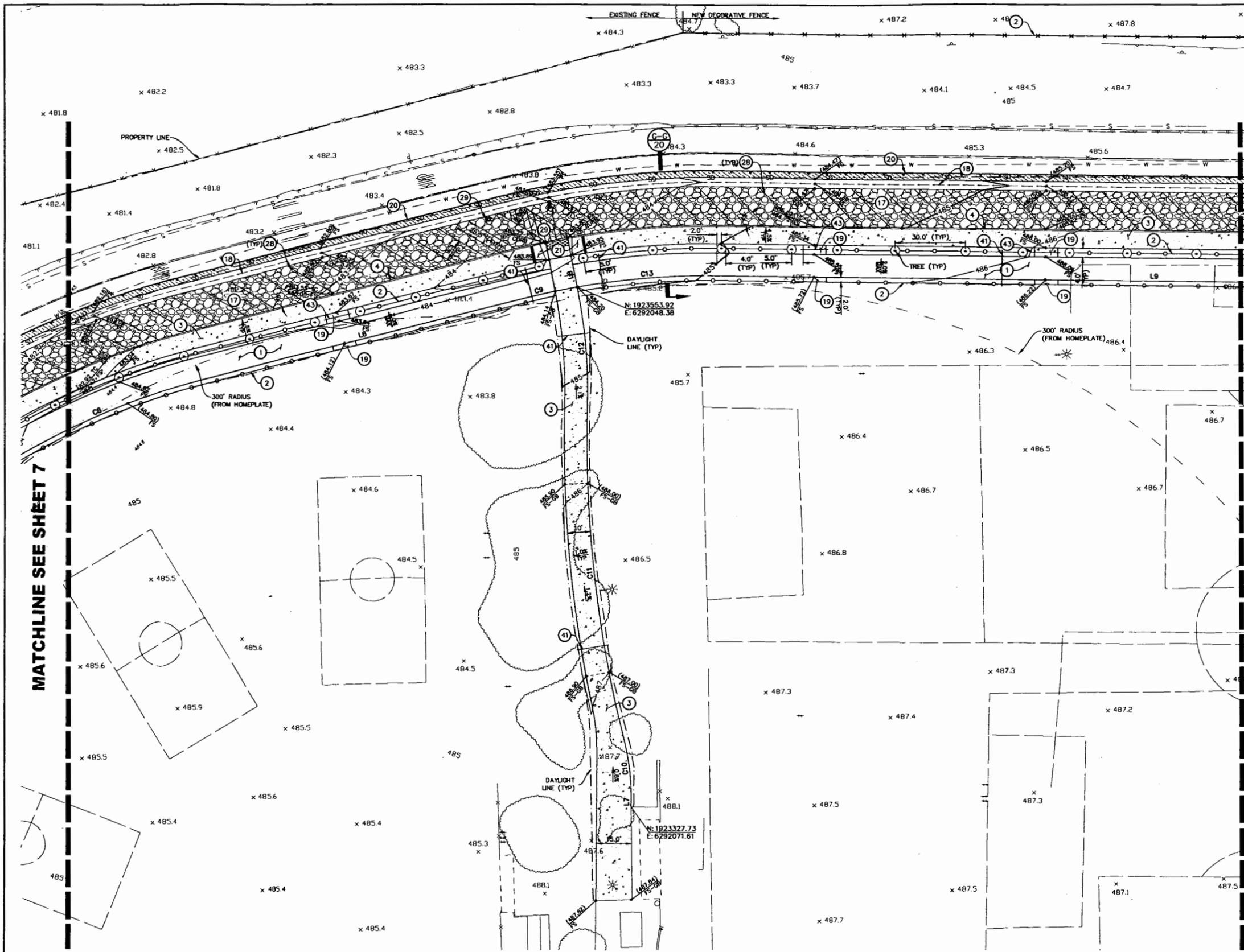
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LINE TABLE		
LINE	LENGTH	DIRECTION
L1	4.08	N85° 07' 46"E

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	45°47'08"	25.80	20.62
C2	54°21'13"	162.02	153.28
C3	41°47'25"	290.00	211.52
C4	27°54'52"	210.00	102.31



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CONSTRUCTION NOTES

1. CONSTRUCT PERVIOUS AC PAVEMENT BIKE TRAIL PER DETAIL "A", SHEET 17.
2. DECORATIVE FENCE PER DETAIL "D", SHEET 19.
3. CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
4. CONSTRUCT 6" CURB PER SPPWC PLAN 120-2, TYPE A1-6.
17. CONSTRUCT 6" PERVIOUS PCC PAVEMENT PER DETAIL "D", SHEET 17.
18. CONSTRUCT LONGITUDINAL GUTTER PER SPPWC PLAN 122-2, MODIFIED TO 1" FLOW DEPTH.
19. CONSTRUCT 10' WIDE x 4" THICK CONCRETE INFILL WITH 6x6-W1.4/W1.4 WML LENGTH PER PLAN.
20. SAWCUT EXISTING PAVEMENT 2' OFFSET OF PROPOSED GUTTER EDGE WITH 1" WIDE x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 2" WIDE AC PAVING AND 1" OVERLAY (3" WIDE PATCH TOTAL), WITH TACK COAT. SEE SECTIONS A-A AND B-B, SHEET 20.
21. CONSTRUCT CURB RAMP PER SPPWC PLAN 111-5 CASE B, TYPE 1 AND AS MODIFIED WITHIN THESE PLANS. REFER TO GENERAL NOTE 1.
28. CONSTRUCT PARKING STALL PER DETAIL "M", SHEET 18.
29. CONSTRUCT ACCESSIBLE PARKING STALL PER DETAIL "N", SHEET 18.
41. 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
43. 3" SCHEDULE 40 PVC - IRRIGATION SLEEVE.

GENERAL NOTES (GRADING PLAN)

1. CURB RAMP LENGTH SHALL BE MODIFIED TO ACHIEVE 8.33% MAXIMUM SLOPE IF IT IS DETERMINED IN THE FIELD THAT THE EXISTING FINISH GRADE ELEVATIONS WILL CAUSE THE MAXIMUM SLOPE TO BE EXCEEDED AS SHOWN ON PLANS. MODIFY TO MEET CBC REQUIREMENTS.

LINE TABLE

LINE	LENGTH	DIRECTION
L6	143.51	N75° 47' 16"E
L7	4.63	N0° 14' 38"E
L8	16.51	N11° 07' 42"W
L9	499.24	S89° 17' 10"E

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C8	19°06'00"	296.76	98.93
C9	2°29'04"	326.76	14.17
C10	14°11'01"	100.00	24.75
C11	15°32'36"	543.00	147.31
C12	12°43'55"	220.00	48.89
C13	10°41'17"	326.76	60.95

MATCHLINE SEE SHEET 7

MATCHLINE SEE SHEET 9

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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4				
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PREPARED BY:
Perfield & Smith
 Engineering - Surveying - Planning
 - Construction Management -
 1327 Del Norte Road, Suite 200, Concord, CA 93010
 Phone: (925) 981-0705 Fax: (925) 981-0251
 SCOTT D. WECKSTROTH 63337 6/30/2014
 ENGINEER'S NAME R.C.E. NO. EXP. DATE

DESIGNED BY:
SDM
 DRAWN BY:
TJS/NLA/EMF
 CHECKED BY:
BTJ
 ENGINEERING REVIEWED BY:
DAVID A. KLOTZLE
 RCE 55752 EXP 12/31/2014
 DATE



CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
SITE GRADING SHEET

SHEET 8
 OF 20
 DRAWING NO.
 14-ML-10989

MATCHLINE SEE SHEET 8

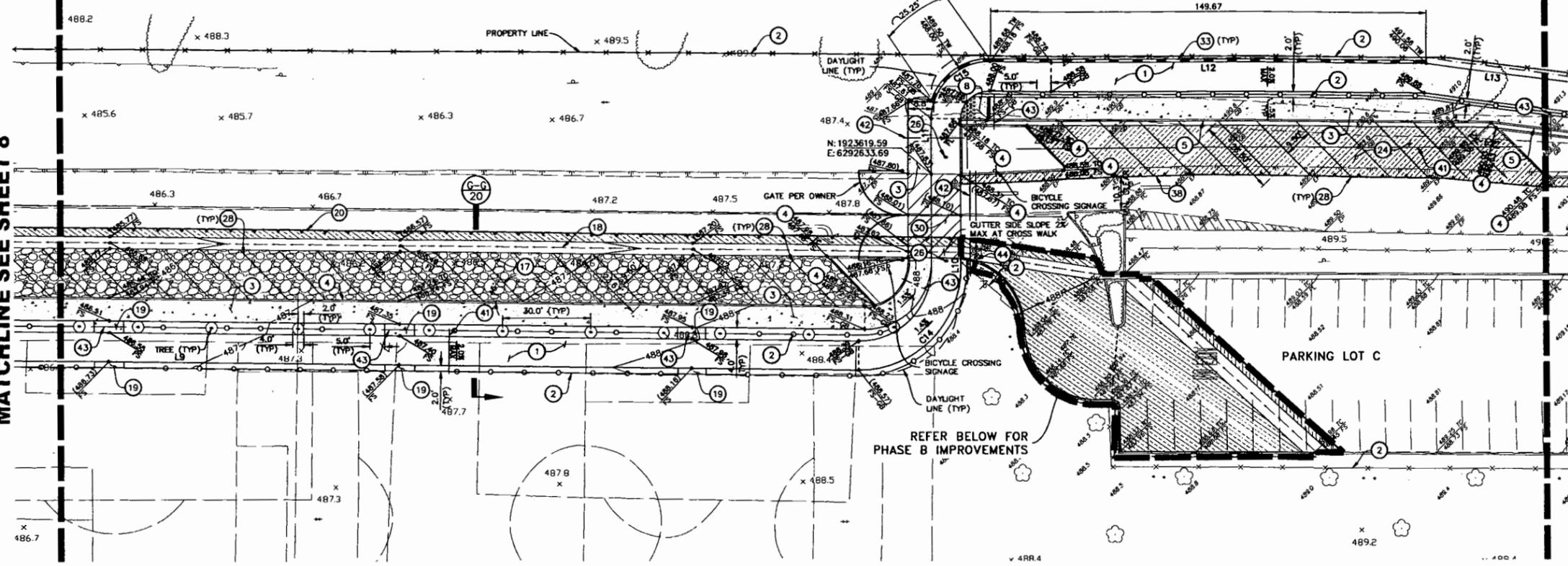
MATCHLINE SEE SHEET 10

CONSTRUCTION NOTES

- 1. CONSTRUCT PERVIOUS AC PAVEMENT BIKE TRAIL PER DETAIL "A", SHEET 17.
- 2. DECORATIVE FENCE PER DETAIL "P", SHEET 19.
- 3. CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- 4. CONSTRUCT 6" CURB PER SPPWC PLAN 120-2, TYPE A1-6.
- 5. CONSTRUCT 6" CURB WITH 18" GUTTER PER SPPWC PLAN 120-2, TYPE A2-6.
- 6. CONSTRUCT CURB RAMP PER SPPWC PLAN 111-5 CASE D, TYPE 1 AND AS MODIFIED WITHIN THESE PLANS. REFER TO GENERAL NOTE 1.
- 7. CONSTRUCT 6" PERVIOUS PCC PAVEMENT PER DETAIL "D", SHEET 17.
- 8. CONSTRUCT LONGITUDINAL GUTTER PER SPPWC PLAN 122-2, MODIFIED TO 1" FLOW DEPTH.
- 9. CONSTRUCT 10' WIDE x 4" THICK CONCRETE INFILL WITH 6x6-W1.4/W1.4 WMM. LENGTH PER PLAN.
- 10. SAWCUT EXISTING PAVEMENT 2' OFFSET OF PROPOSED GUTTER EDGE WITH 1" WIDE x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 2' WIDE AC PAVING AND 1" OVERLAY (3' WIDE PATCH TOTAL), WITH TACK COAT. SEE SECTIONS A-A AND B-B, SHEET 20.
- 11. CONSTRUCT AC PAVEMENT PER DETAIL "H", SHEET 17.
- 12. CONSTRUCT REMOVABLE BOLLARD WITH EXTERNAL PADLOCK PER DETAIL "X", SHEET 18.
- 13. CONSTRUCT PARKING STALL PER DETAIL "M", SHEET 18.
- 14. CONSTRUCT CROSSWALK STRIPING PER CALTRANS STANDARD PLAN RSP A24F.
- 15. CONSTRUCT CONCRETE BLOCK SLOUGH WALL PER SPPWC PLAN 622-3.
- 16. SAWCUT EXISTING PAVEMENT WHERE SHOWN WITH 3" x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 3' WIDE AC OVERLAY WITH TACK COAT TO MATCH EXISTING GRADE. SIMILAR TO SECTIONS A-A AND B-B, SHEET 20.
- 17. 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
- 18. 6" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
- 19. 3" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
- 20. 4" ELECTRICAL CONDUIT.

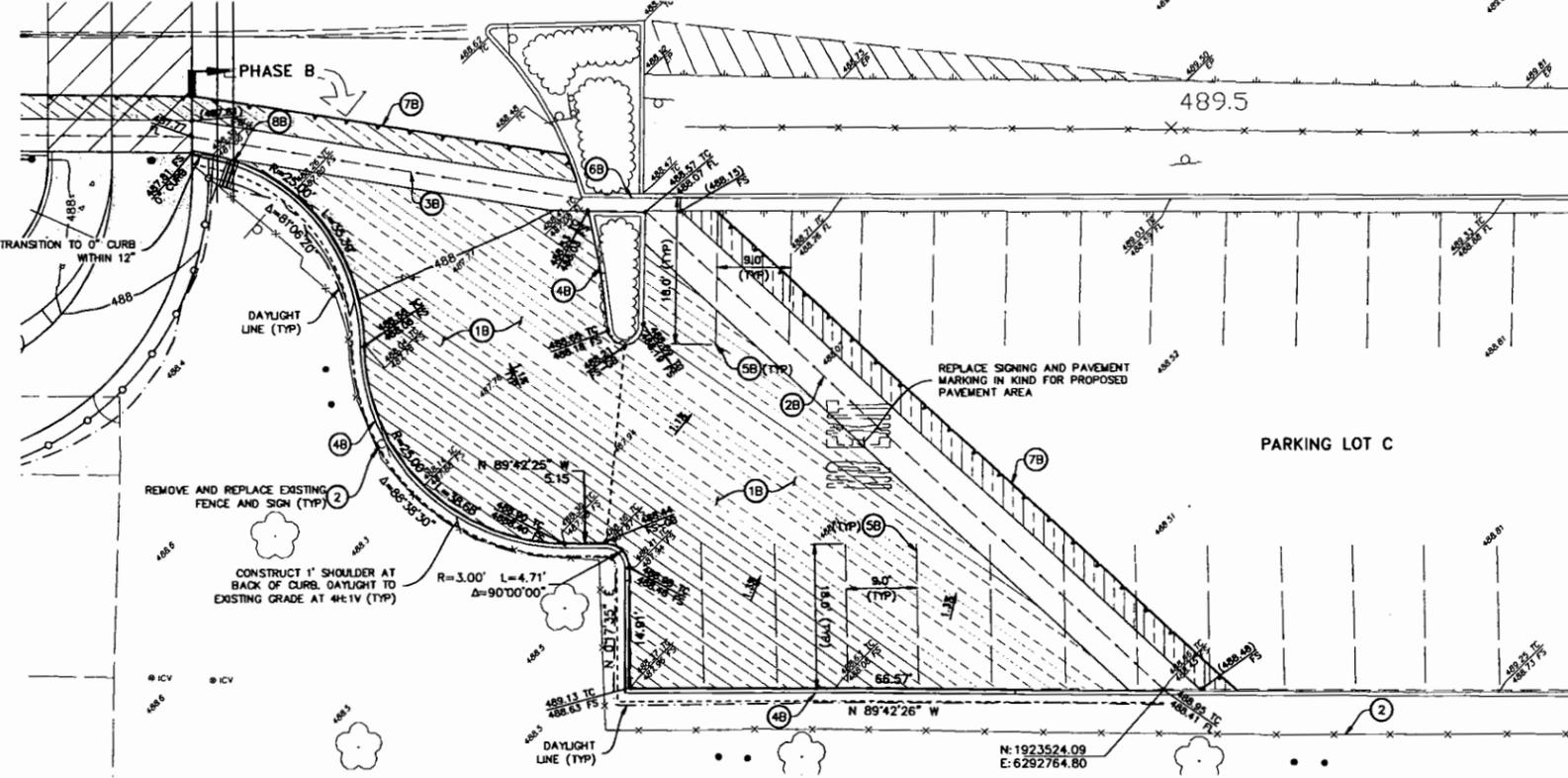
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CONSTRUCTION NOTES - PHASE B

- 1B. CONSTRUCT AC PAVEMENT PER DETAIL "H", SHEET 17.
- 2B. CONSTRUCT CROSS GUTTER PER SPPWC PLAN 122-2, FOR STREET SLOPE LESS THAN 4%.
- 3B. CONSTRUCT LONGITUDINAL GUTTER PER SPPWC PLAN 122-2, MODIFIED TO 1" FLOW DEPTH.
- 4B. CONSTRUCT 6" CURB PER SPPWC PLAN 120-2, TYPE A1-6.
- 5B. CONSTRUCT PARKING STALL PER DETAIL "M", SHEET 18.
- 6B. REMOVE AND REPLACE EXISTING CURB AND GUTTER AS NECESSARY TO TRANSITION WITH CROSS AND LONGITUDINAL GUTTERS.
- 7B. SAWCUT EXISTING PAVEMENT 2' OFFSET OF PROPOSED GUTTER EDGE WITH 1" WIDE x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 2' WIDE AC PAVING AND 1" OVERLAY (3' WIDE PATCH TOTAL), WITH TACK COAT. SEE SECTIONS A-A AND B-B, SHEET 20.
- 8B. CONSTRUCT CURB DRAIN PER SPPWC PLAN 150-3, CASE III INLET, MODIFIED WITH NO PARKWAY. CAST IRON PIPE SHALL BE REPLACED WITH PVC SDR 35.



LINE TABLE

LINE	LENGTH	DIRECTION
L9	499.24	S89° 17' 10"E
L10	3.33	N0° 02' 52"E
L11	18.12	N0° 00' 21"W
L12	149.64	S89° 33' 28"E
L13	421.27	S82° 17' 58"E

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C14	90°39'58"	35.00	55.38
C15	90°26'53"	20.00	31.57

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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 ENGINEER'S NAME R.C.E. NO. EXP. DATE DATE

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TJS/NLA/EMF
 CHECKED BY:
BTJ
 ENGINEERING REVIEWED BY:
DAVID A. KLOTZLE
 APPROVED BY:
J LAURENTOVSKI
 RCE 55752 EXP 12/31/2014

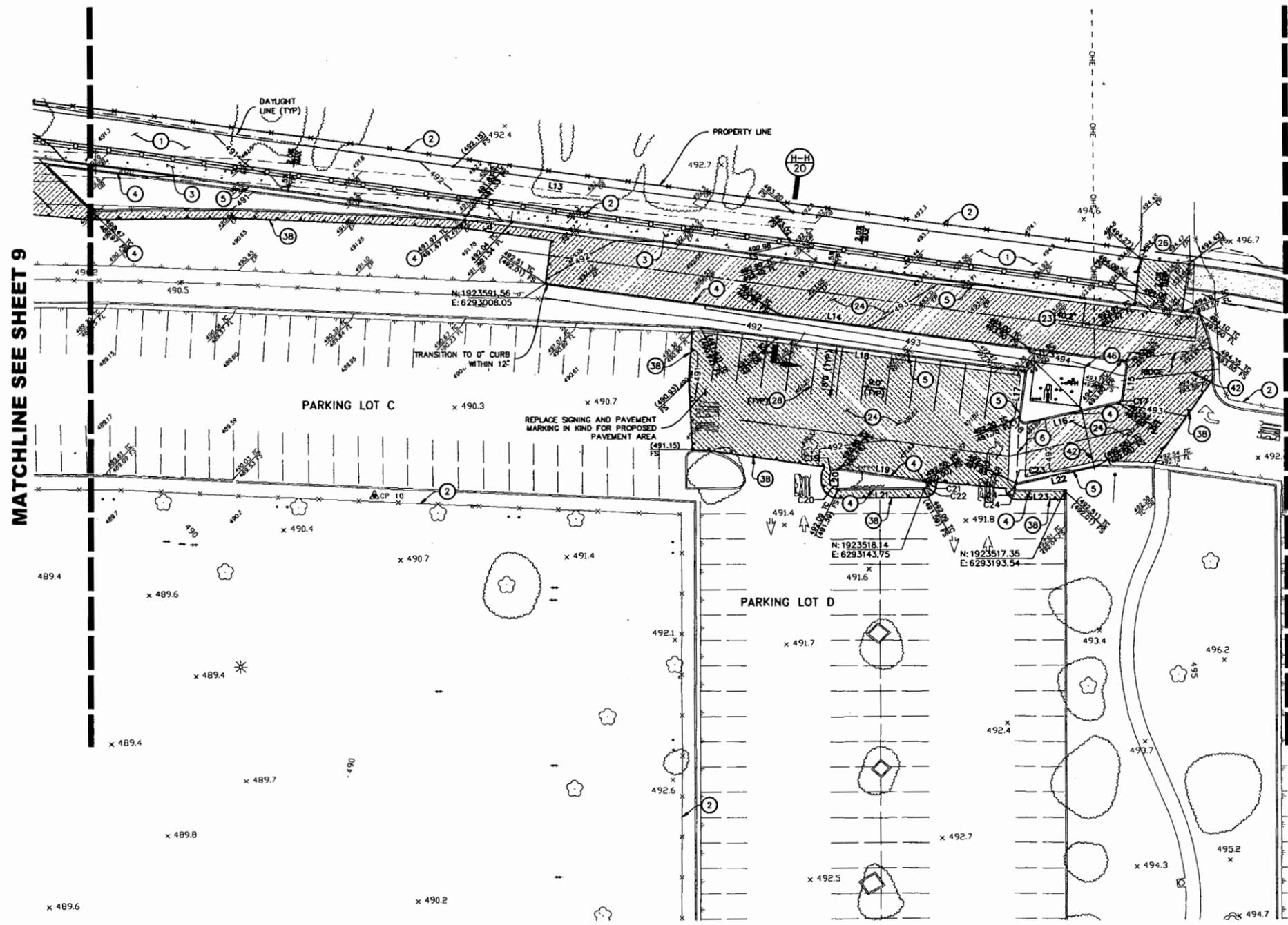


CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
SITE GRADING SHEET

SHEET 9
 OF 20
 DRAWING NO.
 14-ML-10989



CONSTRUCTION NOTES

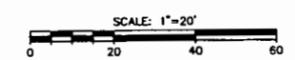
1. CONSTRUCT PERVIOUS AC PAVEMENT BIKE TRAIL PER DETAIL "A", SHEET 17.
2. DECORATIVE FENCE PER DETAIL "P", SHEET 19.
3. CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
4. CONSTRUCT 6" CURB PER SPPWC PLAN 120-2, TYPE A1-6.
5. CONSTRUCT 6" CURB WITH 18" GUTTER PER SPPWC PLAN 120-2, TYPE A2-6.
6. CONSTRUCT CROSS GUTTER PER SPPWC PLAN 122-2, FOR STREET SLOPE LESS THAN 4%.
20. SAWCUT EXISTING PAVEMENT 2' OFFSET OF PROPOSED GUTTER EDGE WITH 1' WIDE x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 2' WIDE AC PAVING AND 1' OVERLAY (3' WIDE PATCH TOTAL), WITH TACK COAT. SEE SECTIONS A-A AND B-B, SHEET 20.
23. CONSTRUCT MOUNTABLE 6" CURB WITH 18" GUTTER PER SPPWC PLAN 121-2, TYPE B2-6. CURB TRANSITION PER DETAIL "G", SHEET 17.
24. CONSTRUCT AC PAVEMENT PER DETAIL "H", SHEET 17.
25. CONSTRUCT DRYWELL PER DETAIL "I", SHEET 17.
26. CONSTRUCT REMOVABLE BOLLARD WITH EXTERNAL PADLOCK PER DETAIL "K", SHEET 18.
28. CONSTRUCT PARKING STALL PER DETAIL "M", SHEET 18.
38. SAWCUT EXISTING PAVEMENT WHERE SHOWN WITH 3' x 1.5" DEEP GRIND AND TABLE-CUT GRIND. FINAL PATCH SHALL BE 3' WIDE AC OVERLAY WITH TACK COAT TO MATCH EXISTING GRADE. SIMILAR TO SECTIONS A-A AND B-B, SHEET 20.
42. 6" SCHEDULE 40 PVC - IRRIGATION SLEEVE.
46. EXISTING RELOCATED WATER SERVICE AS SHOWN. COORDINATE WITH CITY REPRESENTATIVE AND VENTURA COUNTY WATER WORKS DISTRICT.

GENERAL NOTES (GRADING PLAN)

1. CURB RAMP LENGTH SHALL BE MODIFIED TO ACHIEVE 8.33% MAXIMUM SLOPE IF IT IS DETERMINED IN THE FIELD THAT THE EXISTING FINISH GRADE ELEVATIONS WILL CAUSE THE MAXIMUM SLOPE TO BE EXCEEDED AS SHOWN ON PLANS. MODIFY TO MEET CBC REQUIREMENTS.

LINE TABLE		
LINE	LENGTH	DIRECTION
L13	421.27	S82° 17' 58"E
L14	208.20	S82° 17' 58"E
L15	11.17	S7° 42' 02"W
L16	34.03	S77° 42' 02"W
L17	16.31	N7° 42' 02"E
L18	117.04	N82° 17' 58"W
L19	31.30	N82° 17' 58"W
L20	1.50	S0° 22' 48"E
L21	31.20	N89° 37' 12"E
L22	30.19	S77° 42' 02"W
L23	17.00	N89° 56' 31"E
L24	0.88	S0° 03' 29"E

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C16	90°00'00"	2.00	3.14
C17	70°00'00"	2.00	2.44
C18	110°00'00"	2.00	3.84
C19	98°04'50"	3.00	5.14
C20	90°00'00"	3.00	4.71
C21	82°40'25"	1.50	2.16
C22	89°14'45"	1.50	2.34
C23	77°45'31"	1.00	1.36
C24	90°00'00"	1.00	1.57



MATCHLINE SEE SHEET 9

MATCHLINE SEE SHEET 16

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 3/20/2015
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CHECKED BY:
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APPROVED BY:
J. LAURETOWSKI

ENGINEERING REVIEWED BY:
DAVID A. KLOTZLE
RCE 55752 EXP 12/31/2014



CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
SITE GRADING SHEET

SHEET 10
 OF 20
 DRAWING NO.
 14-ML-10989

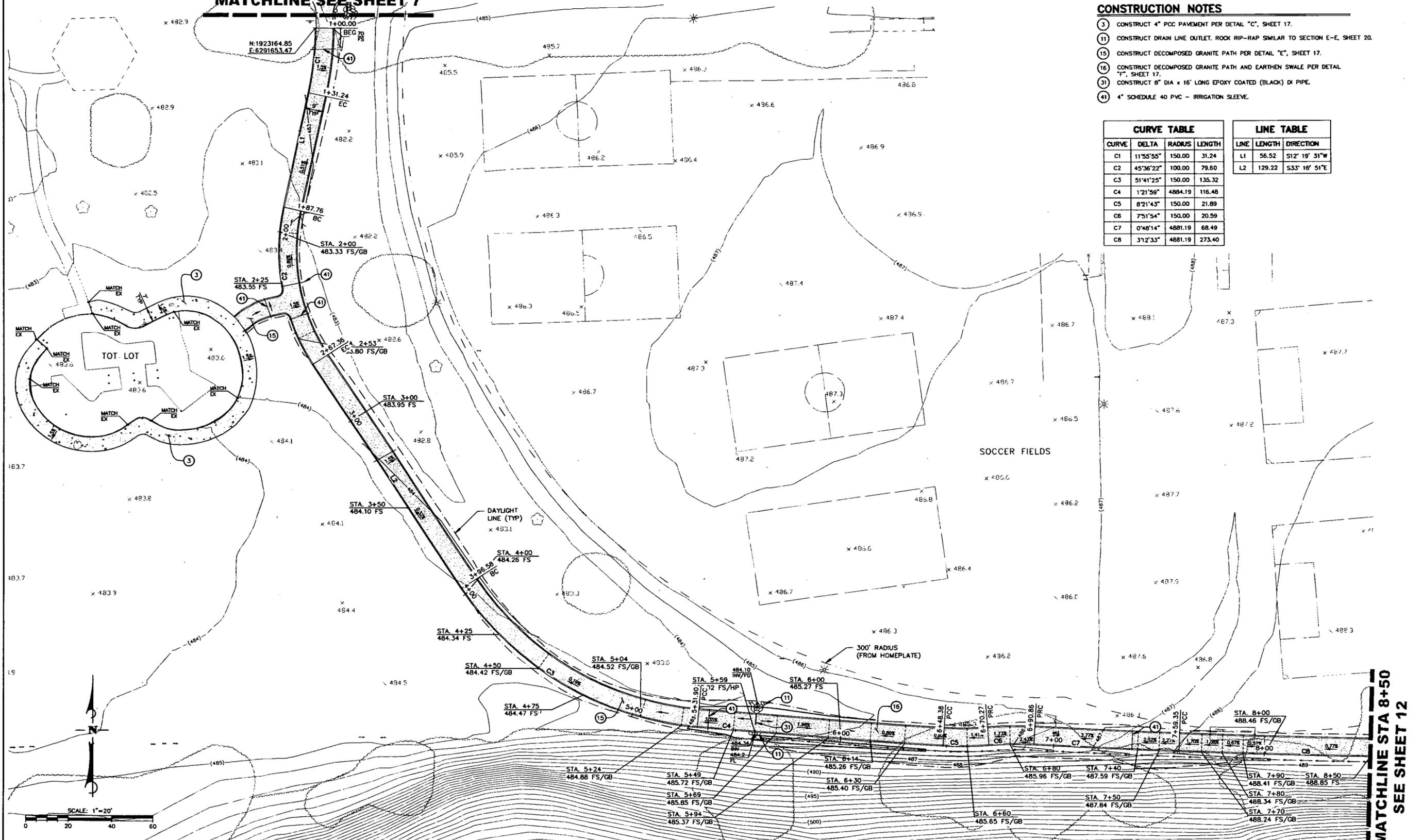
MATCHLINE SEE SHEET 7

CONSTRUCTION NOTES

- 3) CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- 11) CONSTRUCT DRAIN LINE OUTLET. ROCK RIP-RAP SIMILAR TO SECTION E-E, SHEET 20.
- 15) CONSTRUCT DECOMPOSED GRANITE PATH PER DETAIL "E", SHEET 17.
- 16) CONSTRUCT DECOMPOSED GRANITE PATH AND EARTHEN SWALE PER DETAIL "F", SHEET 17.
- 31) CONSTRUCT 8" DIA x 16' LONG EPOXY COATED (BLACK) DI PIPE.
- 41) 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.

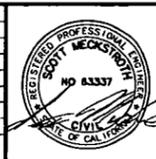
CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C1	11°55'55"	150.00	31.24
C2	45°36'22"	100.00	79.60
C3	51°41'25"	150.00	135.32
C4	1°21'59"	4884.19	116.48
C5	8°21'43"	150.00	21.89
C6	7°51'54"	150.00	20.59
C7	0°48'14"	4881.19	68.49
C8	3°12'33"	4881.19	273.40

LINE TABLE		
LINE	LENGTH	DIRECTION
L1	56.52	S12° 19' 31"W
L2	129.22	S33° 16' 51"E



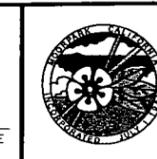
MATCHLINE STA 8+50
SEE SHEET 12

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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 DRAWN BY:
TJS/NLA/EMF
 CHECKED BY:
BTF
 APPROVED BY:
DAVID A. KLOTZLE
 RCE 55752 EXP 12/31/2014
 ENGINEERING REVIEWED BY: DATE



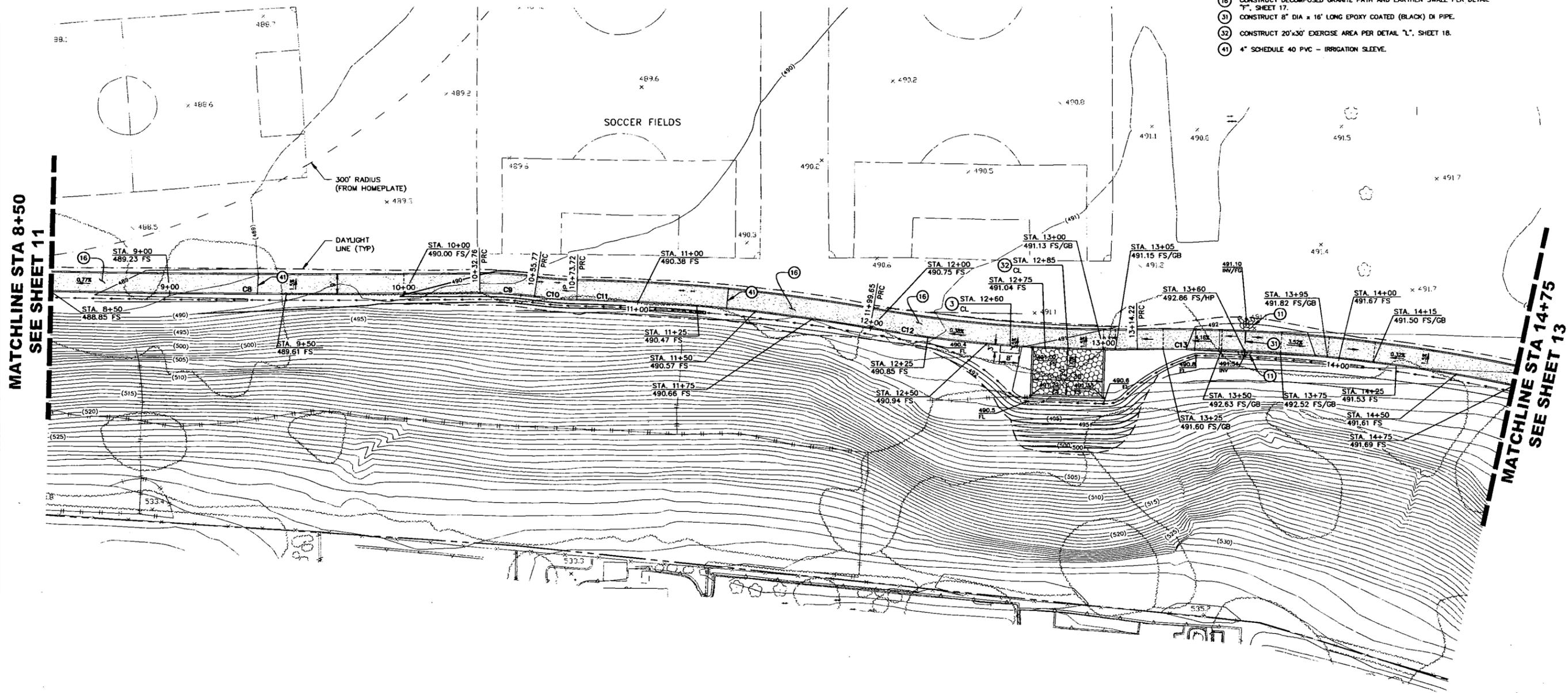
CITY OF MOORPARK
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ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
DG PATH GRADING
STA 1+00 TO 8+50

SHEET 11
 OF 20
 DRAWING NO.
 14-ML-10999

CONSTRUCTION NOTES

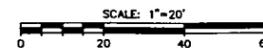
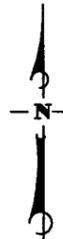
- (3) CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- (11) CONSTRUCT DRAIN LINE OUTLET, ROCK RIP-RAP SIMILAR TO SECTION E-E, SHEET 20.
- (16) CONSTRUCT DECOMPOSED GRANITE PATH AND EARTHEN SWALE PER DETAIL "T", SHEET 17.
- (31) CONSTRUCT 8" DIA x 16' LONG EPOXY COATED (BLACK) DI PIPE.
- (32) CONSTRUCT 20'x30' EXERCISE AREA PER DETAIL "L", SHEET 18.
- (41) 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.



MATCHLINE STA 8+50
SEE SHEET 11

MATCHLINE STA 14+75
SEE SHEET 13

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C8	3°12'33"	4881.19	273.40
C9	8°47'30"	150.00	23.02
C10	6°51'25"	150.00	17.95
C11	9°01'06"	800.00	125.92
C12	10°56'28"	500.00	114.58
C13	13°53'00"	700.00	169.62



NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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 DRAWN BY:
TJS/NLA/EMF
 CHECKED BY:
BTF
 APPROVED BY:
DAVID A. KLOTZLE
 RCE 55752 EXP 12/31/2014 DATE



CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

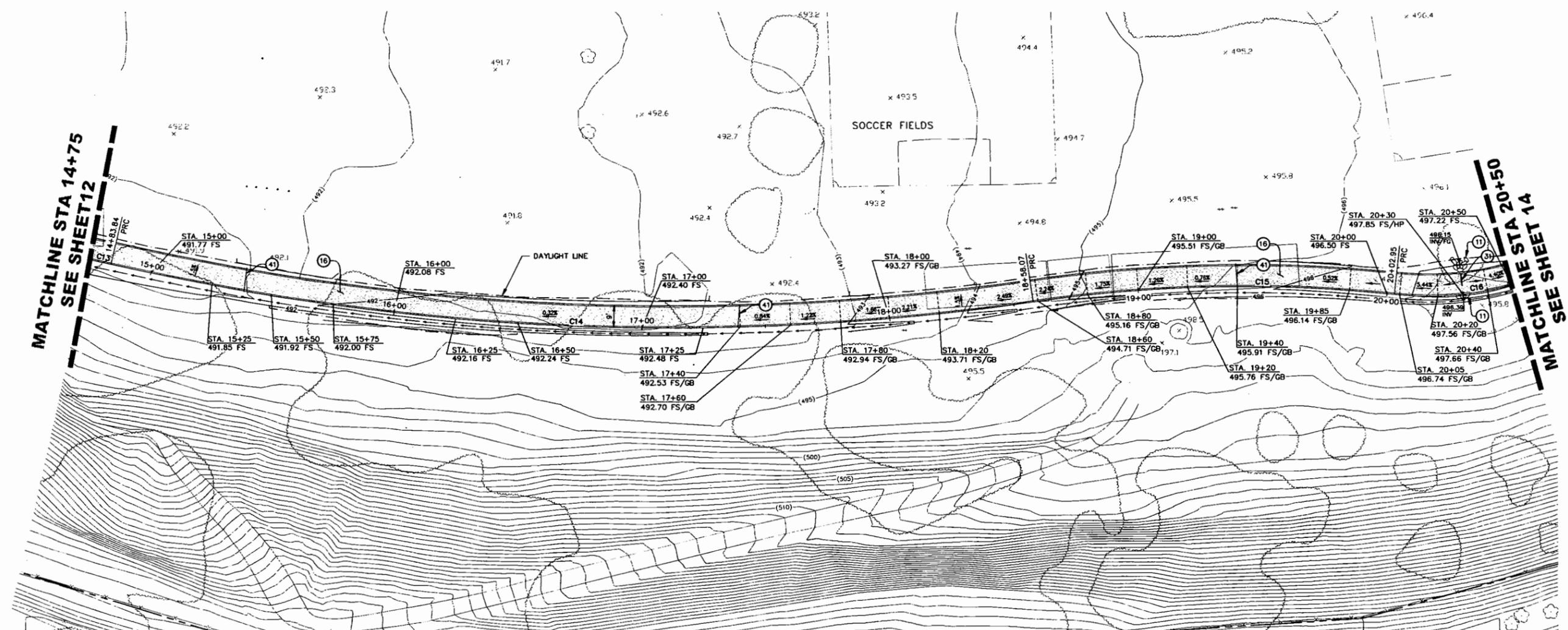
GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
DG PATH GRADING
STA 8+50 TO 14+75

SHEET **12**
 OF **20**
 DRAWING NO.
 14-ML-10989

CONSTRUCTION NOTES

- (11) CONSTRUCT DRAIN LINE OUTLET, ROCK RIP-RAP SIMILAR TO SECTION E-E, SHEET 20.
- (16) CONSTRUCT DECOMPOSED GRANITE PATH AND EARTHEN SWALE PER DETAIL "F", SHEET 17.
- (31) CONSTRUCT 8" DIA x 16' LONG EPOXY COATED (BLACK) DI PIPE.
- (41) 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.



MATCHLINE STA 14+75
SEE SHEET 12

MATCHLINE STA 20+50
SEE SHEET 14

CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C13	13°53'00"	700.00	169.62
C14	21°26'30"	1000.00	374.23
C15	14°35'18"	569.02	144.88
C16	28°32'44"	125.00	62.28



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 ENGINEER'S NAME R.C.E. NO. EXP. DATE DATE

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ENGINEERING REVIEWED BY: DAVID A. KLOTZLE
 RCE 55752 EXP 12/31/2014 DATE



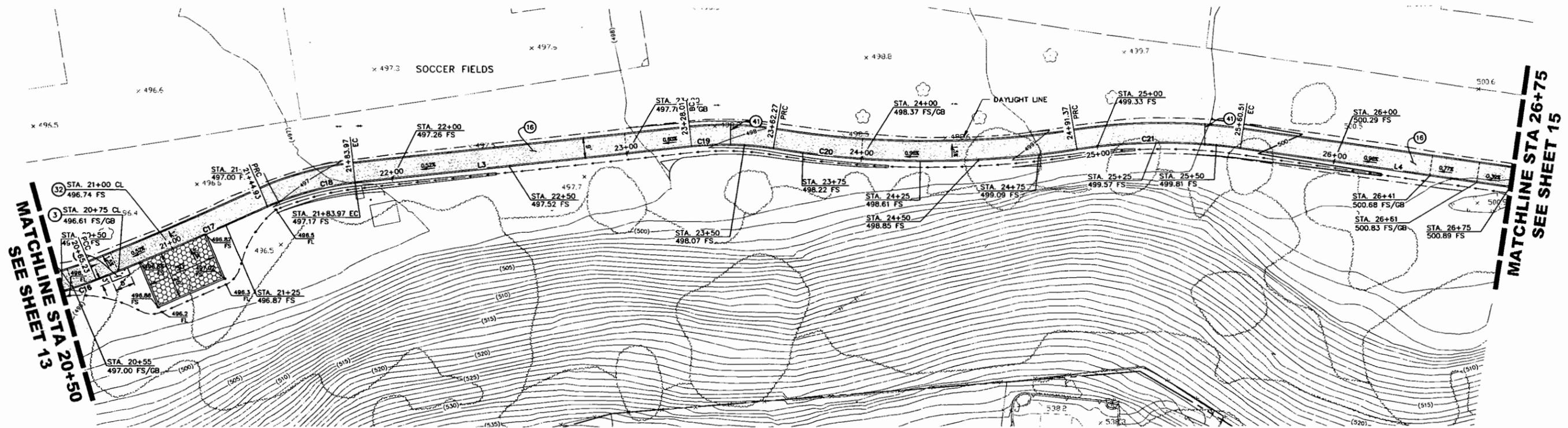
CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
DG PATH GRADING
STA 14+75 TO 20+50

SHEET	13
OF	20
DRAWING NO.	14-ML-10989

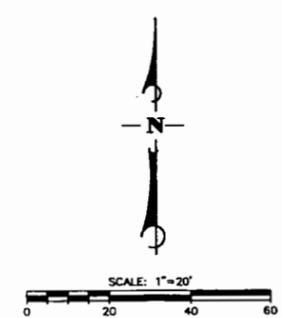
CONSTRUCTION NOTES

- 3) CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- 16) CONSTRUCT DECOMPOSED GRANITE PATH AND EARTHEN SWALE PER DETAIL "T", SHEET 17.
- 32) CONSTRUCT 20'x30' EXERCISE AREA PER DETAIL "L", SHEET 18.
- 41) 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.



CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C16	28°32'44"	125.00	82.28
C17	1°44'03"	2633.47	79.71
C18	17°53'25"	125.00	39.03
C19	15°42'05"	125.00	34.26
C20	18°29'34"	400.00	129.10
C21	17°36'15"	225.00	69.13

LINE TABLE		
LINE	LENGTH	DIRECTION
L3	144.05	N83° 48' 19"E
L4	120.57	S81° 22' 54"E



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DRAWN BY: TJS/NLA/EMF
CHECKED BY: BTJ
APPROVED BY: DAVID A. KLOTZLE
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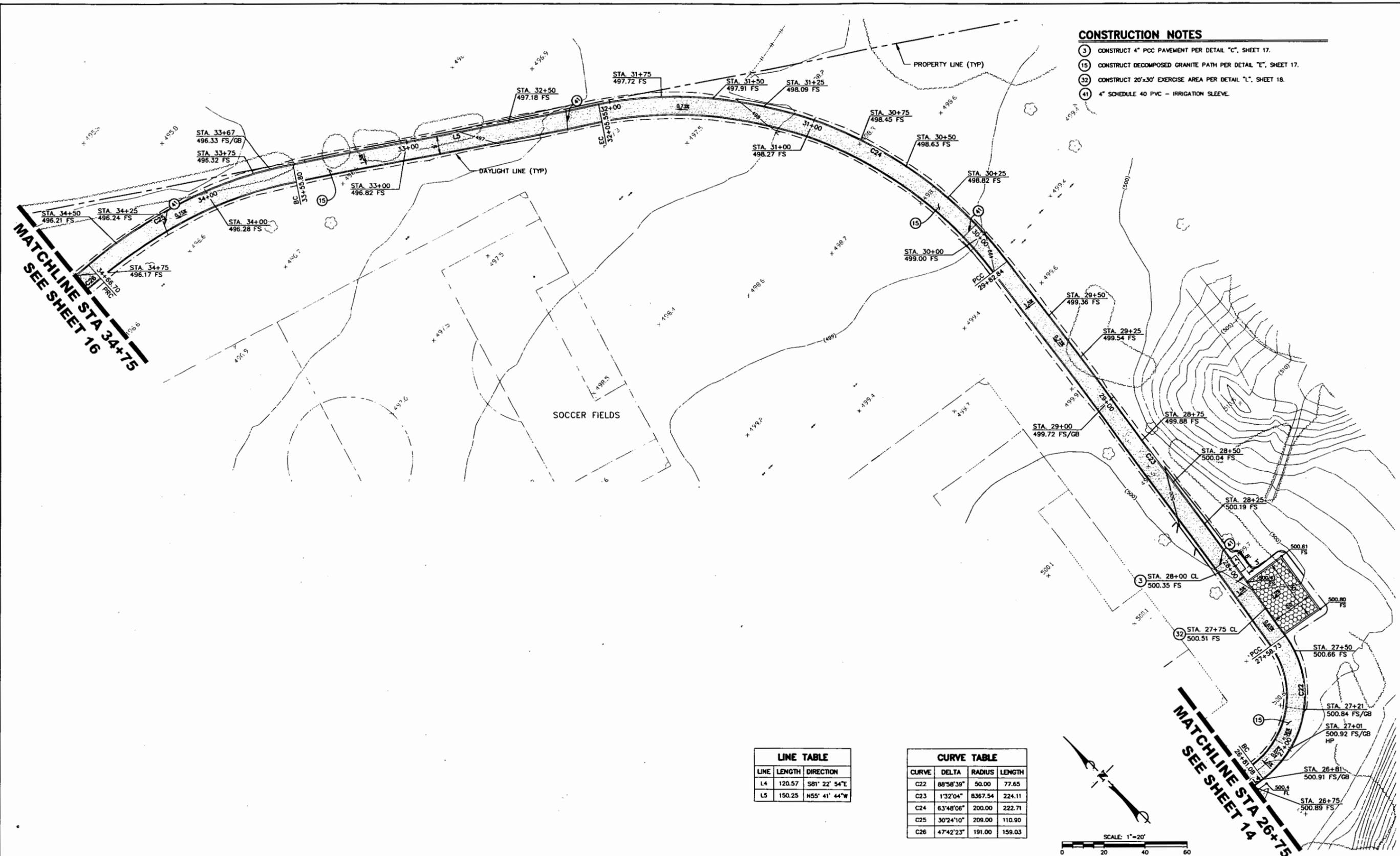
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ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
DG PATH GRADING STA 20+50 TO 26+75

SHEET	14
OF	20
DRAWING NO.	14-ML-10989

CONSTRUCTION NOTES

- ③ CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- ⑮ CONSTRUCT DECOMPOSED GRANITE PATH PER DETAIL "E", SHEET 17.
- ⑳ CONSTRUCT 20'x30' EXERCISE AREA PER DETAIL "L", SHEET 18.
- ④① 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.



**MATCHLINE STA 34+75
SEE SHEET 16**

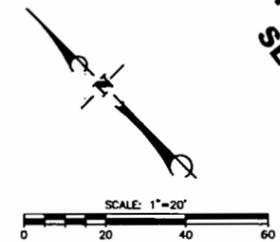
**MATCHLINE STA 26+75
SEE SHEET 14**

LINE TABLE

LINE	LENGTH	DIRECTION
L4	120.57	S81° 22' 54"E
L5	150.25	N55° 41' 44"W

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C22	88°58'39"	50.00	77.65
C23	1°32'04"	8367.54	224.11
C24	63°48'06"	200.00	222.71
C25	30°24'10"	209.00	110.90
C26	47°42'23"	191.00	159.03



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CITY OF MOORPARK
 PARKS RECREATION
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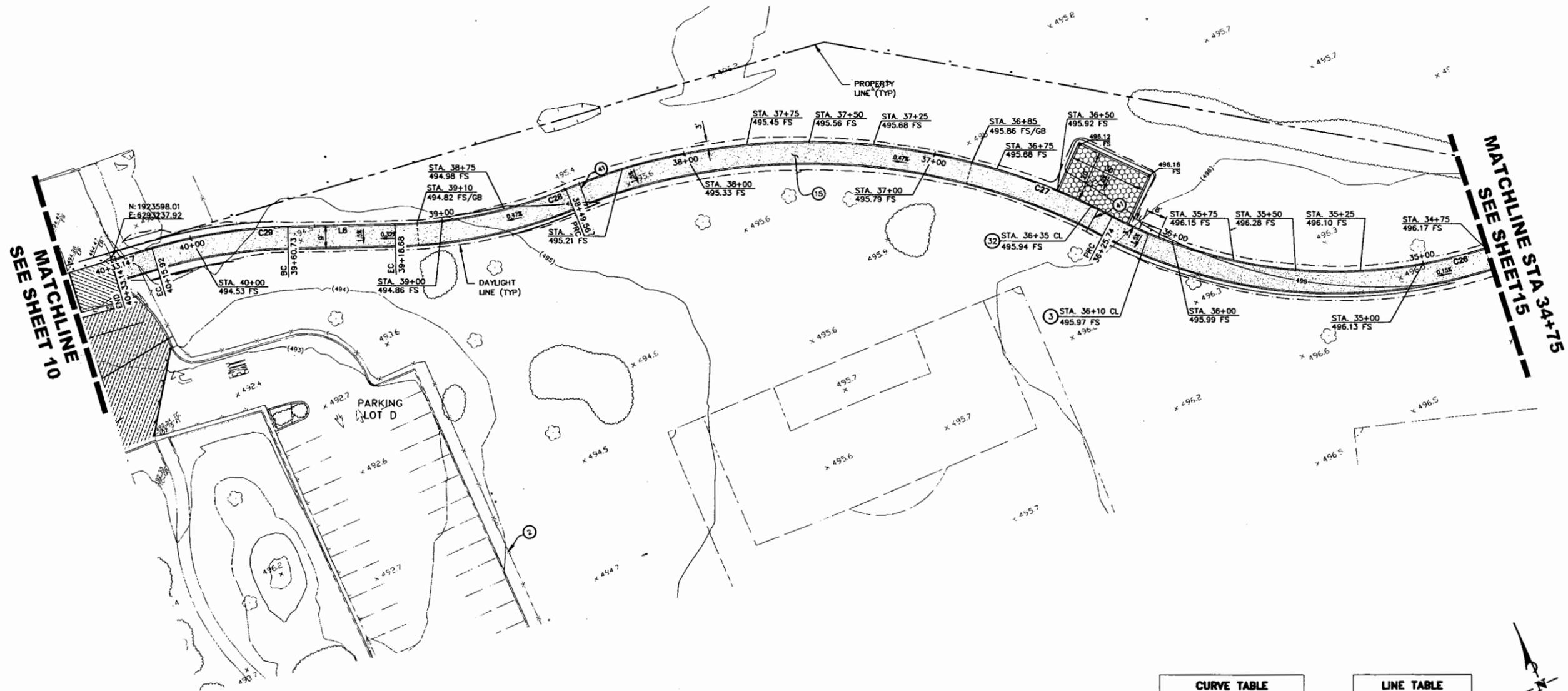
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ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
**DG PATH GRADING STA
 26+75 TO 34+75**

SHEET **15**
 OF **20**
 DRAWING NO.
 14-M-10989

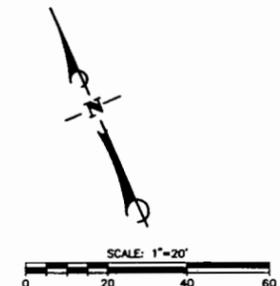
CONSTRUCTION NOTES

- ② DECORATIVE FENCE PER DETAIL "P", SHEET 19.
- ③ CONSTRUCT 4" PCC PAVEMENT PER DETAIL "C", SHEET 17.
- ⑮ CONSTRUCT DECOMPOSED GRANITE PATH PER DETAIL "E", SHEET 17.
- ⑳ CONSTRUCT 20'x30' EXERCISE AREA PER DETAIL "L", SHEET 18.
- ④① 4" SCHEDULE 40 PVC - IRRIGATION SLEEVE.

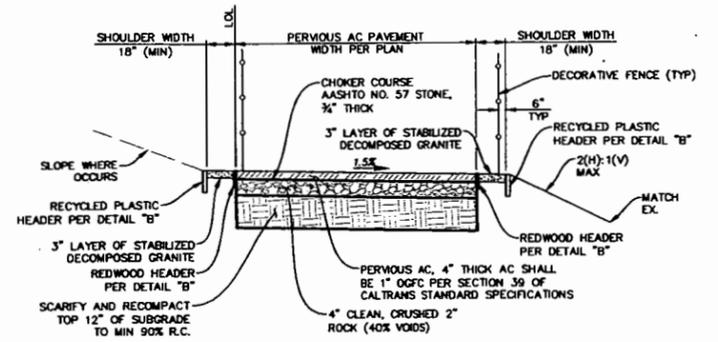


CURVE TABLE			
CURVE	DELTA	RADIUS	LENGTH
C26	47°42'23"	191.00	159.03
C27	49°30'52"	259.00	223.83
C28	20°44'05"	191.00	69.12
C29	15°07'51"	209.00	55.19

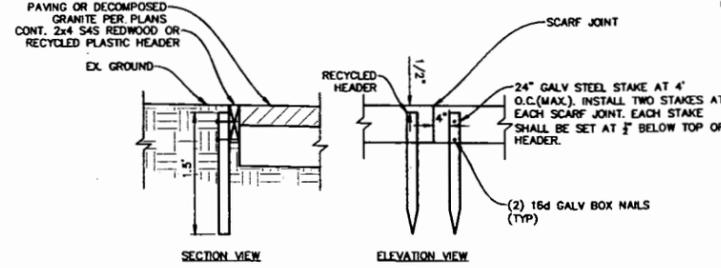
LINE TABLE		
LINE	LENGTH	DIRECTION
L6	42.05	N67° 10' 17"W
L7	17.21	N82° 18' 08"W



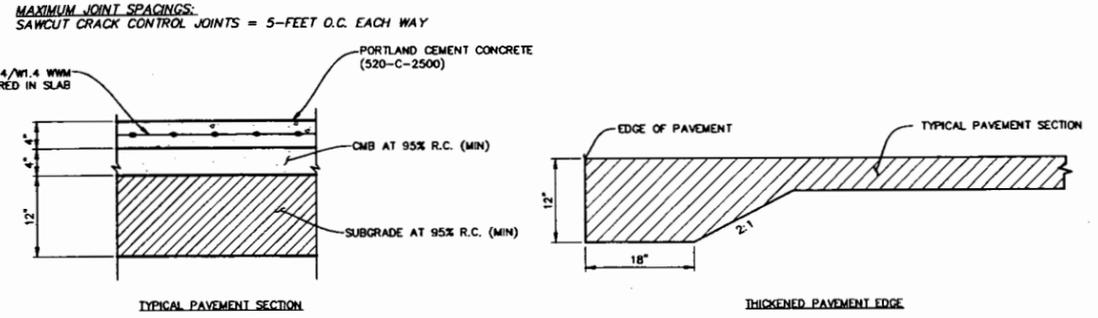
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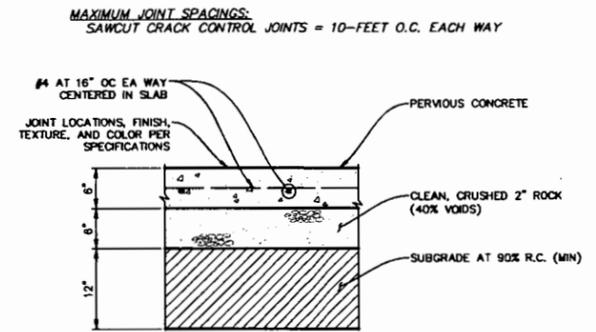
TYPICAL PERMEABLE AC PAVEMENT BIKE TRAIL SECTION (A)
SCALE: N.T.S.



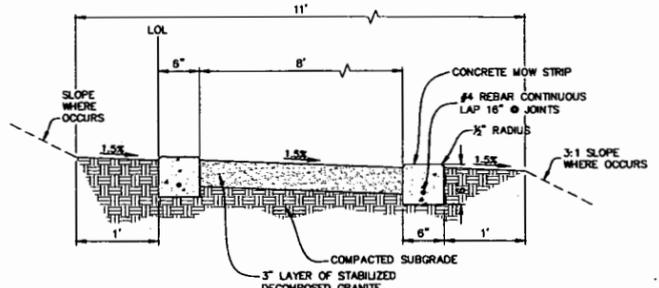
REDWOOD/RECYCLED PLASTIC HEADER DETAIL (B)
SCALE: N.T.S.
NOTE: MATERIALS AND INSTALLATION PER SSPWC 212-1.5 AND 308-3.



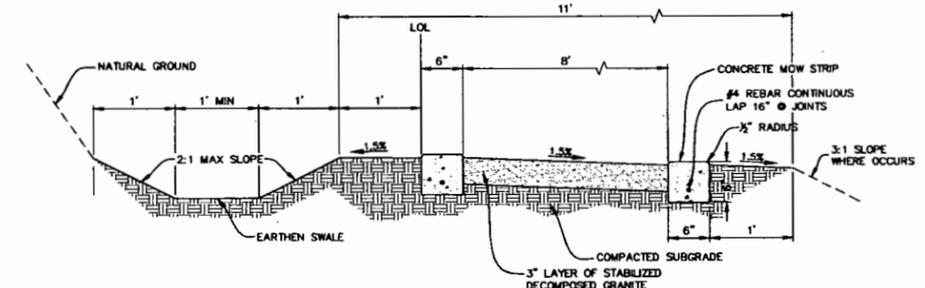
PCC PAVEMENT SECTION (PEDESTRIAN USE) (C)
SCALE: N.T.S.



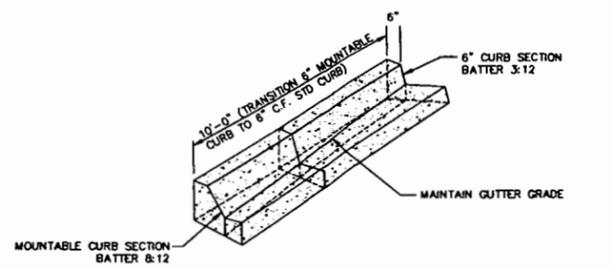
PCC PAVEMENT SECTION (VEHICULAR USE) (D)
SCALE: N.T.S.



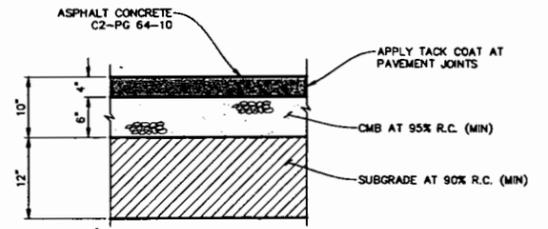
DECOMPOSED GRANITE PATH SECTION (E)
SCALE: N.T.S.



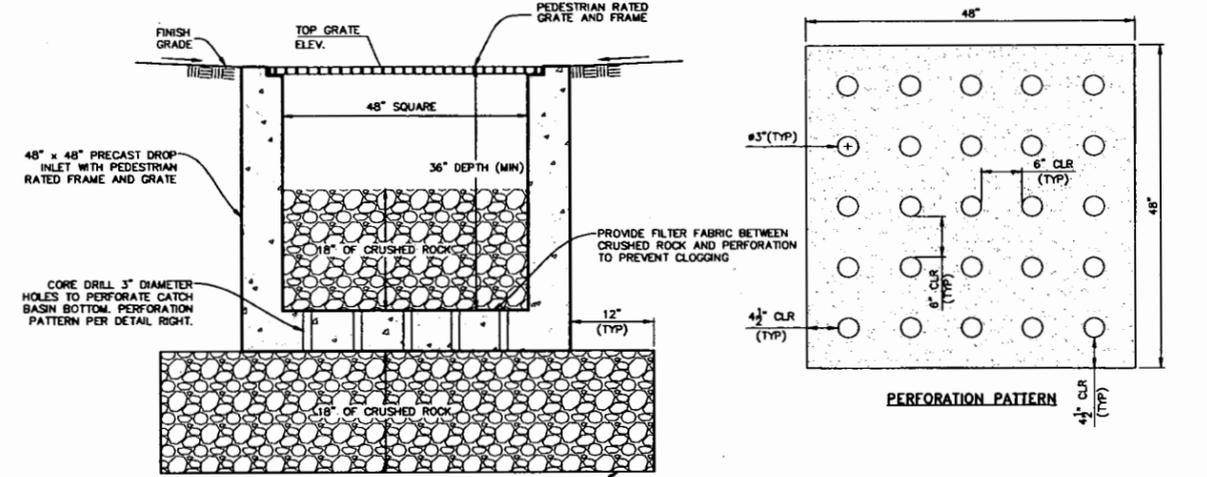
DECOMPOSED GRANITE PATH SECTION WITH SWALE (F)
SCALE: N.T.S.



MOUNTABLE CURB AND GUTTER TRANSITION (G)
SCALE: N.T.S.



AC PAVEMENT SECTION (H)
SCALE: N.T.S.



DRYWELL DETAIL (I)
SCALE: N.T.S.

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
5				
4				
3				
2				
1				

PREPARED BY:
Penfield & Smith
 Engineering-Surveying-Planning-Construction Management
 1377 Del Norte Blvd, Suite 200, Camarillo, CA 93010
 Phone: (805) 961-0706 Fax: (805) 981-0251

SCOTT D. MECKSTROTH 63337 6/30/2014
 ENGINEER'S NAME R.C.E. NO. EXP. DATE

REVISOR: J. LAURENTOWSKI 3/20/2015

DESIGNED BY: SDM
 DRAWN BY: TJS/NLA/EMF
 CHECKED BY: BTJ
 APPROVED BY: DAVID A. KLOTZLE
 RCE 55752 EXP 12/31/2014

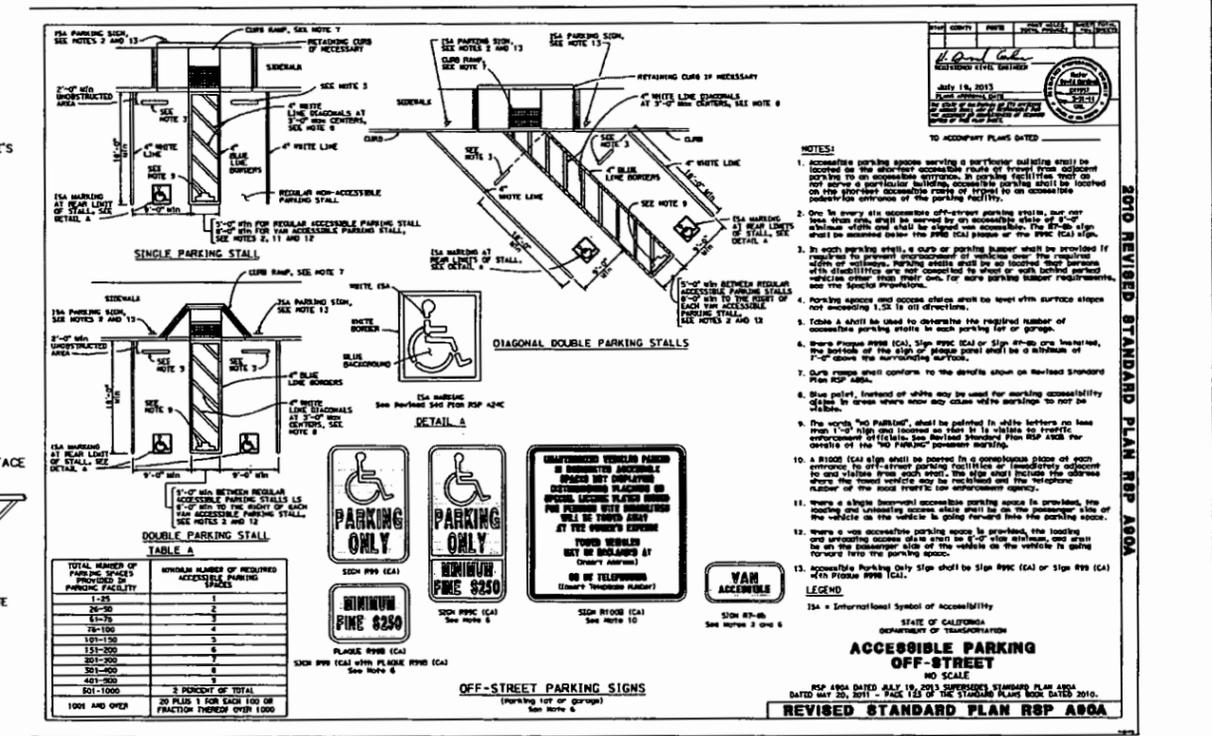
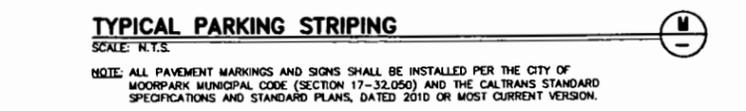
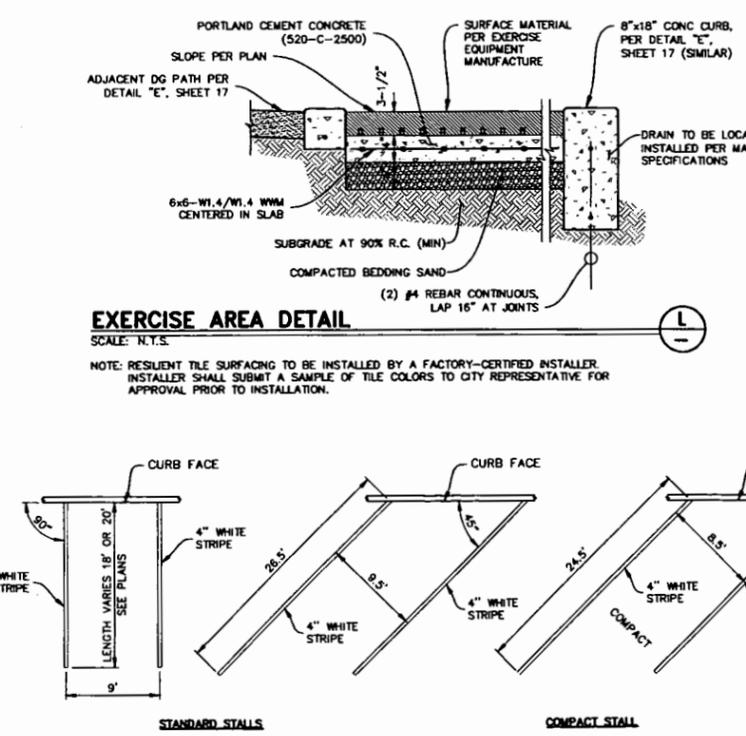
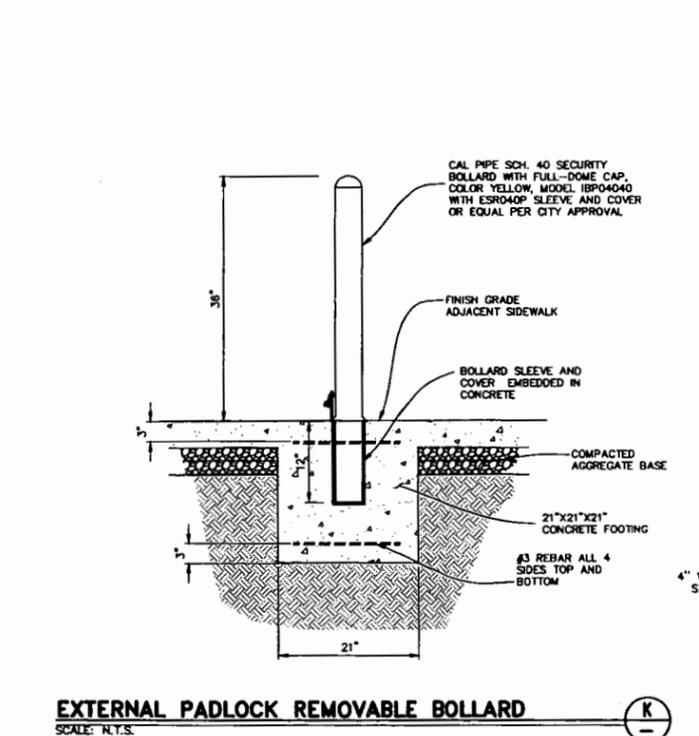
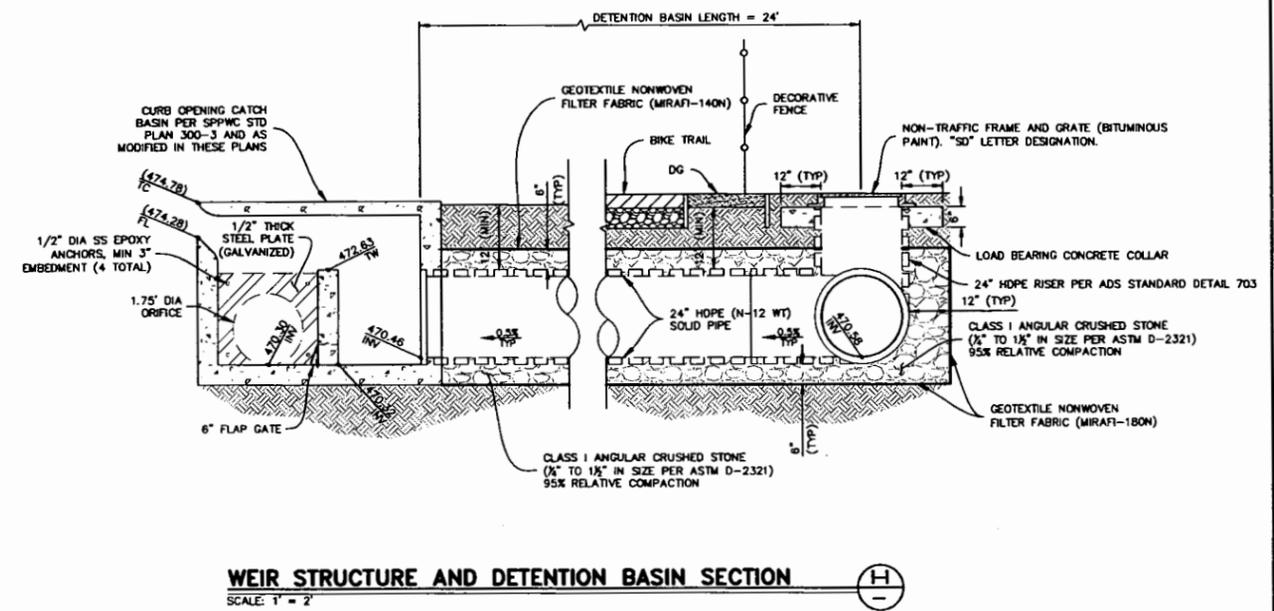
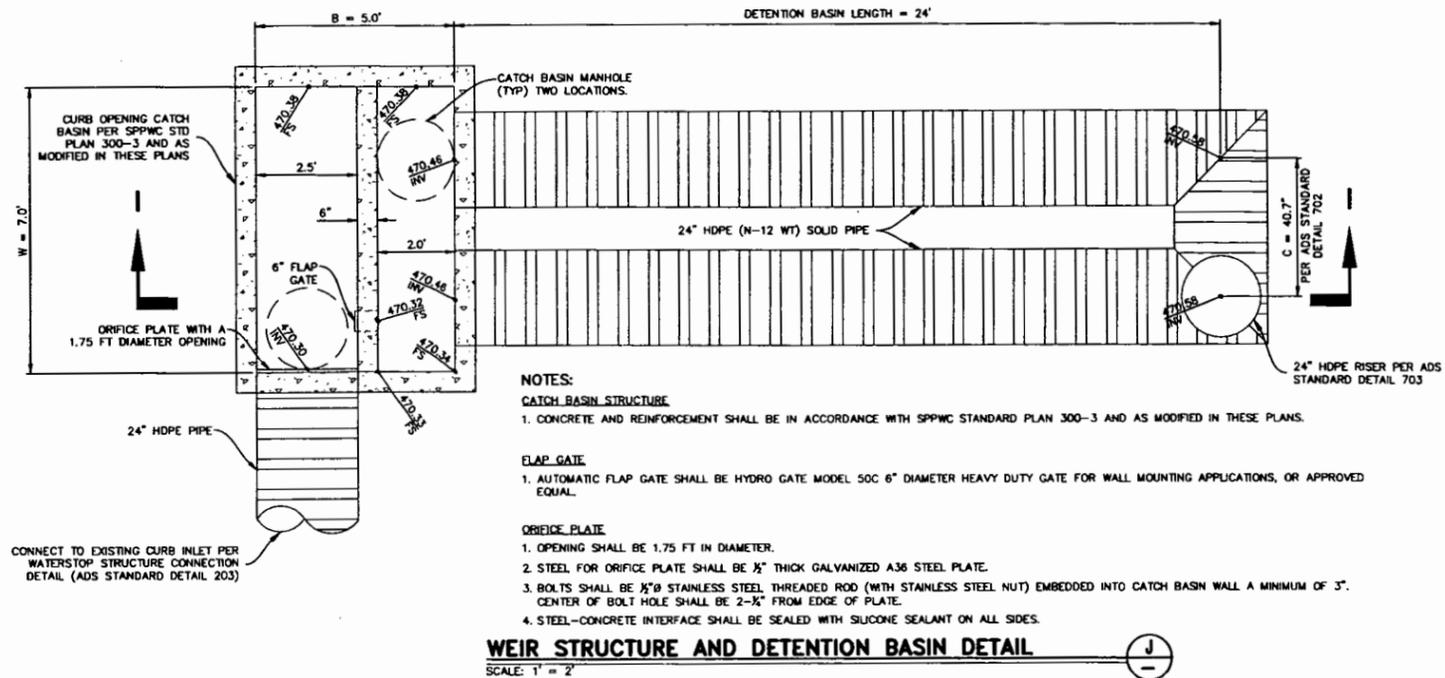


CITY OF MOORPARK
 PARKS RECREATION & COMMUNITY SERVICES

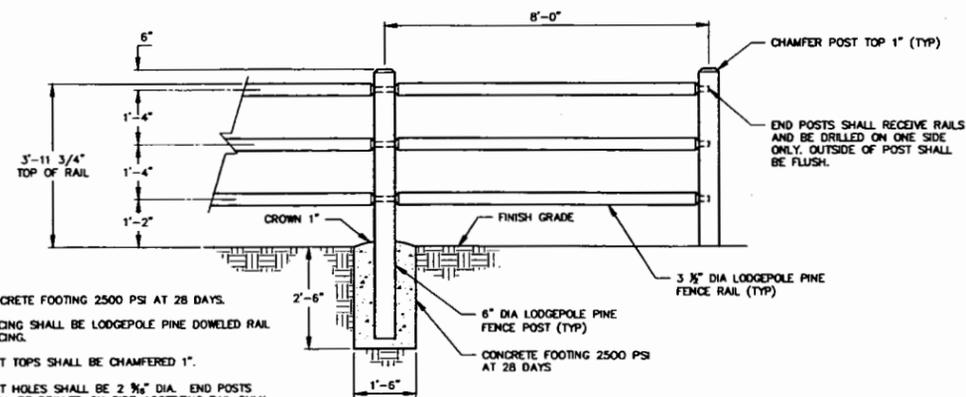
GRADING PERMIT NO. _____
 ENGINEERING PROJECT NO. _____

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
CONSTRUCTION DETAILS

SHEET 17
OF 20
DRAWING NO. 14-ML-10989



6 5 4 3 2 1 DESCRIPTION OF REVISION R.C.E. APP'D DATE		PREPARED BY: Penfield & Smith Engineering • Surveying • Planning • Construction Management • 1327 Del Norte Road, Suite 200, Camarillo, CA 93010 Phone: (805) 981-0706 Fax: (805) 981-0251	DESIGNED BY: SDM DRAWN BY: TJS/NLA/EMF CHECKED BY: BTJ APPROVED BY: DAVID A. KLOTZLE RCE 55752 EXP 12/31/2014		CITY OF MOORPARK PARKS RECREATION & COMMUNITY SERVICES	GRADING PERMIT NO. ENGINEERING PROJECT NO. ARROYO VISTA COMMUNITY PARK RECREATIONAL TRAIL IMPROVEMENTS PARKS, RECREATION & COMMUNITY DISTRICT CONSTRUCTION DETAILS	SHEET 18 OF 20 DRAWING NO. 14-ML-10989
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NOTES:

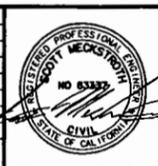
1. CONCRETE FOOTING 2500 PSI AT 28 DAYS.
2. FENCING SHALL BE LODGEPOLE PINE DOWELED RAIL FENCING.
3. POST TOPS SHALL BE CHAMFERED 1".
4. POST HOLES SHALL BE 2 3/8" DIA. END POSTS SHALL BE DRILLED ON SIDE ACCEPTING RAIL ONLY.
5. TENONS ON RAIL ENDS SHALL BE 2 3/8" DIA.
6. POSTS AND RAILS SHALL BE CLEAN, PEELLED OR TURNED.
7. POSTS AND RAILS SHALL BE PRESSURE TREATED AFTER CHAMFERING, CUTTING AND DRILLING.
8. POST AND RAILS SHALL BE DRY PRIOR TO INSTALLATION.
9. POST AND RAILS SHALL BE FREE OF DEFECTS, SPLITS, AND WARPING PER THE SATISFACTION OF THE PARKS AND RECREATION DIRECTOR. MAXIMUM 1/2" LAG AT 90 DAYS.

DECORATIVE FENCE

SCALE: N.T.S.

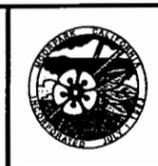


NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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1				



PREPARED BY:
Penfield & Smith
 Engineering • Surveying • Planning
 • Construction Management •
 1382 Del Norte Road, Suite 200, Compton, CA 93010
 Phone: (866) 981-0706 Fax: (866) 981-0251
 REVISED
 SCOTT D. MECKSTROTH 63337 6/30/2014 3/20/2015
 ENGINEER'S NAME R.C.E. NO. EXP. DATE DATE

DESIGNED BY: SDM
 DRAWN BY: T.JS./NLA/EMF
 CHECKED BY: BTJ
 APPROVED BY: J LAURENTOWSKI
 ENGINEERING REVIEWED BY: DAVID A. KLOTZLE
 RCE 55752 EXP 12/31/2014 DATE

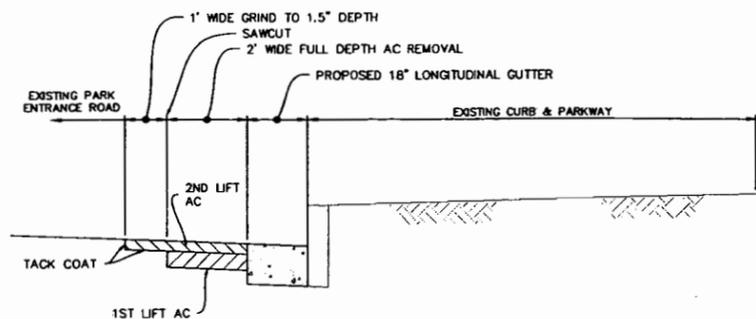


CITY OF MOORPARK
 PARKS RECREATION
 & COMMUNITY SERVICES

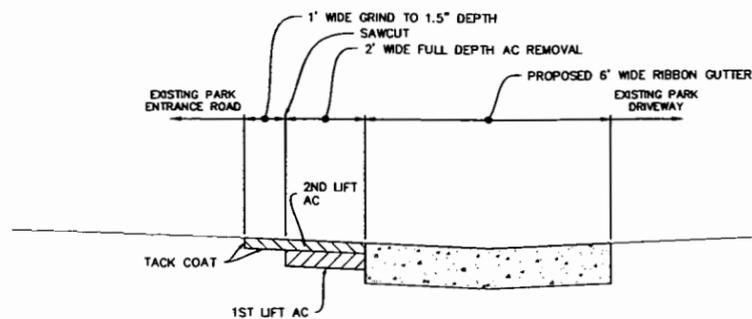
GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA COMMUNITY PARK
 RECREATIONAL TRAIL IMPROVEMENTS
 PARKS, RECREATION & COMMUNITY DISTRICT
CONSTRUCTION DETAILS

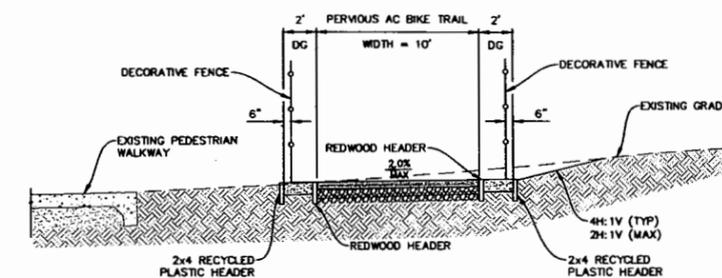
SHEET 19
 OF 20
 DRAWING NO.
 14-ML-10989



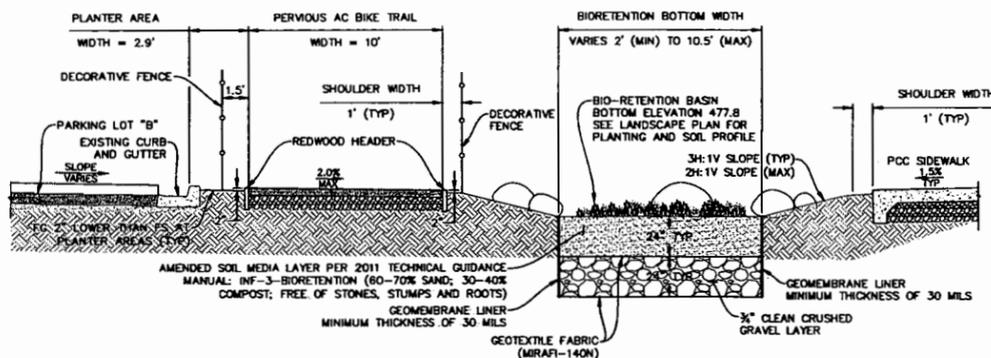
TYPICAL AC REMOVAL/CONSTRUCTION AT LONGITUDINAL GUTTER (A-A)
SCALE: N.T.S.



TYPICAL AC REMOVAL/CONSTRUCTION AT DRIVEWAY/CROSS GUTTER (B-B)
SCALE: N.T.S.

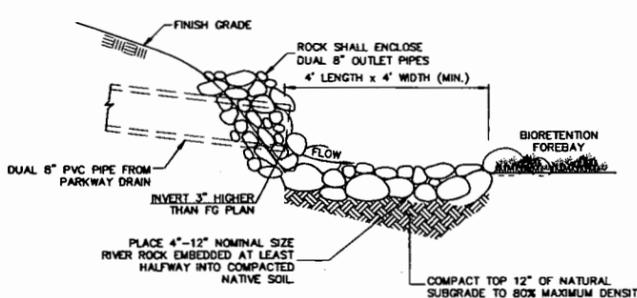


BIKE TRAIL SECTION (C-C)
SCALE: N.T.S.



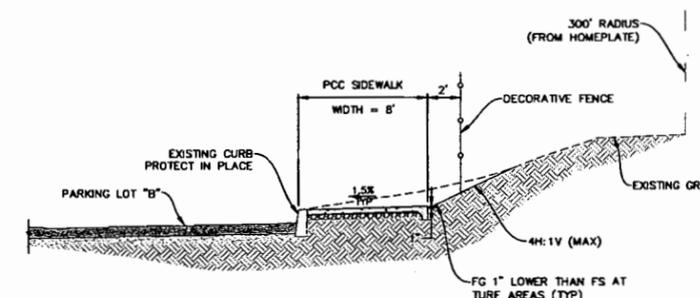
BIORETENTION SECTION (D-D)
SCALE: N.T.S.

- NOTE:
1. PROVIDE SAMPLE CITY REPRESENTATIVE PRIOR TO INSTALLATION.
 2. FURNISH AND PLACE SEVEN 2', SEVEN 3', AND TWELVE 4' BOULDERS PER DIRECTION OF THE CITY REPRESENTATIVE.
 3. BOULDER COLOR SHALL BE TAN.
 4. PROVIDE PHOTOS TO CITY REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.

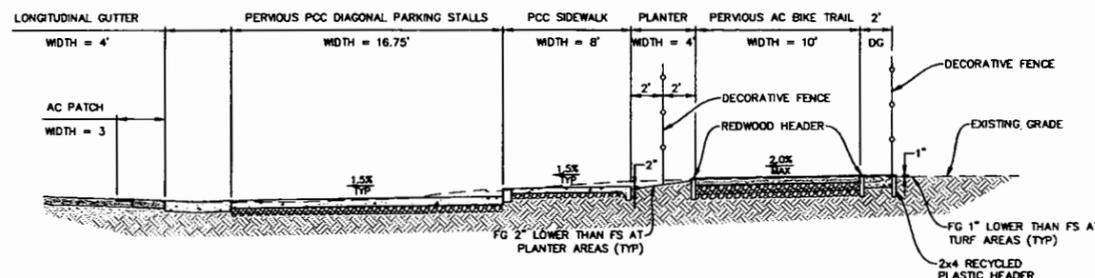


ROCK RIP-RAP DETAIL (E-E)
SCALE: N.T.S.

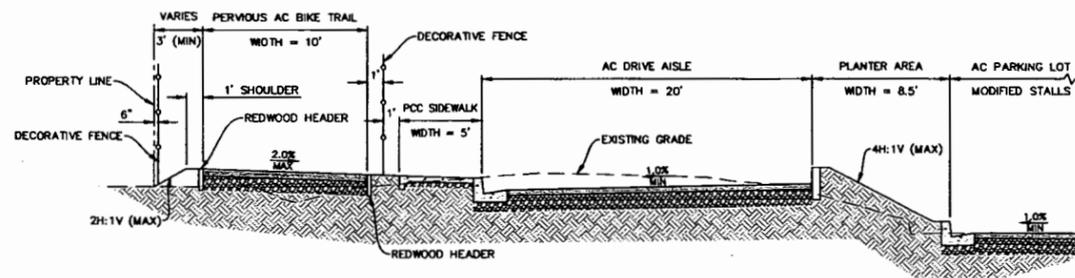
- NOTE:
1. ROCK AND BOULDER COLOR SHALL BE TAN.
 2. PROVIDE SAMPLE TO CITY REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
 3. FURNISH AND PLACE THREE 2' AND TWO 3' BOULDERS PER DIRECTION OF THE CITY REPRESENTATIVE.
 4. BOULDERS SHALL BE EMBEDDED 1/2 INTO COMPACTED NATIVE SOIL.



PEDESTRIAN WALKWAY SECTION (F-F)
SCALE: N.T.S.



BIKE TRAIL/DIAGONAL PARKING SECTION (G-G)
SCALE: N.T.S.



BIKE TRAIL/DRIVE AISLE SECTION (H-H)
SCALE: N.T.S.

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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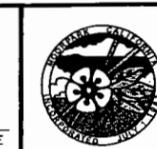


PREPARED BY:
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Engineering - Surveying - Planning
Construction Management
1322 Del Norte Blvd, Suite 200, Concord, CA 93910
Phone: (905) 981-0705 Fax: (905) 981-0251

REVISOR:
SCOTT D. MECKSTROTH 63337 6/30/2014 3/20/2015
ENGINEER'S NAME R.C.E. NO. EXP. DATE DATE

DESIGNED BY:
SDM
DRAWN BY:
TJS/NLA/EMF
CHECKED BY:
BTF
APPROVED BY:
DAVID A. KLOTZLE
RCE 55752 EXP 12/31/2014

ENGINEERING REVIEWED BY:
DATE



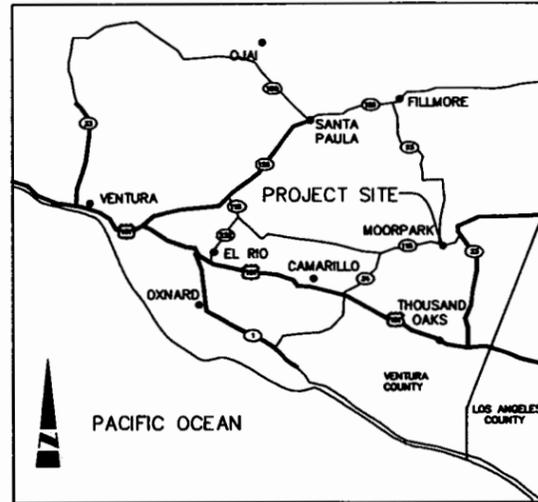
CITY OF MOORPARK
PARKS RECREATION
& COMMUNITY SERVICES

GRADING PERMIT NO.
ENGINEERING PROJECT NO.

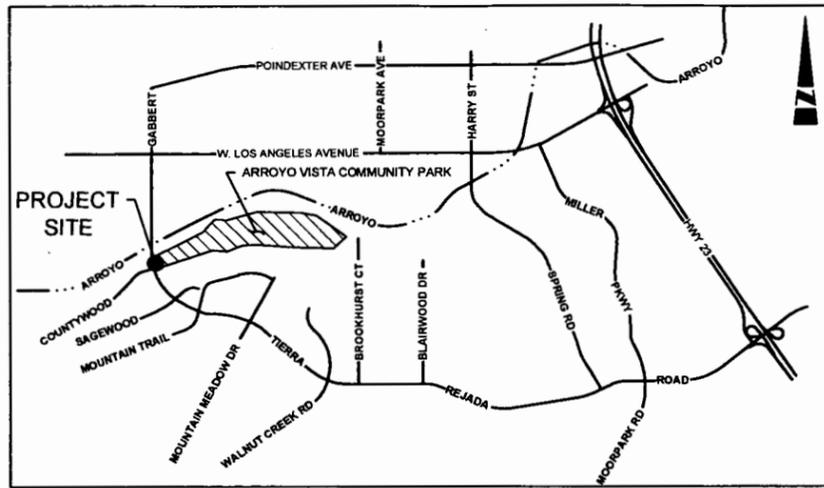
ARROYO VISTA COMMUNITY PARK
RECREATIONAL TRAIL IMPROVEMENTS
PARKS, RECREATION & COMMUNITY DISTRICT
CONSTRUCTION DETAILS

SHEET 20
OF 20
DRAWING NO.
14-ML-10989

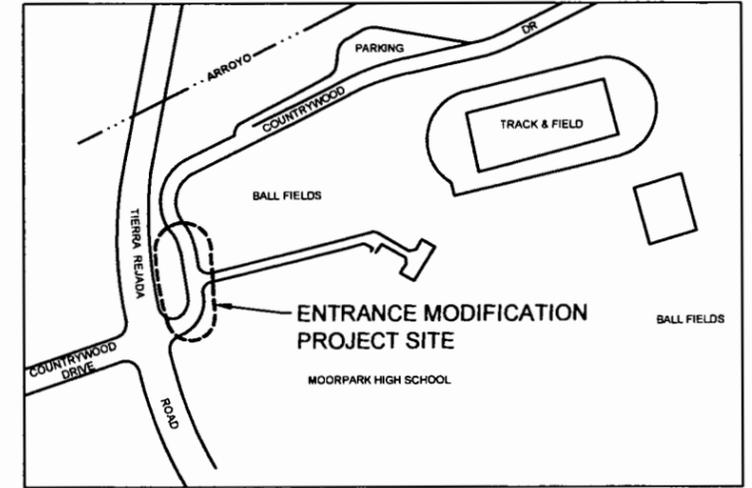
CITY OF MOORPARK ENTRANCE MODIFICATION PROJECT



VICINITY MAP
N.T.S.



INDEX MAP
SCALE: 1" = 2000'



PROJECT MAP
SCALE: 1" = 200'

CONTROL POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
41	1922093.444	6289443.562	504.492	.13ipRCE17264(94
42	1922161.483	6289645.333	503.432	MN&W LS5411(
43	1922119.996	6289705.115	504.920	LT&T LS5411@TC
44	1922211.815	6289766.942	508.448	SCRBD+@BW
45	1922473.945	6289598.902	493.197	SCRBD+@BW
46	1922584.378	6289575.420	489.561	LT&T VEN.CO.SURV
47	1922617.392	6289576.919	489.527	LT&T VEN.CO.SURV
48	1922638.474	6289570.588	488.168	.17BM37-14 RM-1
49	1922509.487	6289659.707	497.109	SCRBD+@EW

BENCH MARK DATA

VENTURA COUNTY BENCH MARK 37-14 RM 1 EL=488.168 FT. (NAVD 88).
A VENTURA COUNTY BRASS DISK LOCATED 0.5 MI. SOUTHERLY ALONG
TIERRA REJADA ROAD FROM ITS INTERSECTION WITH HIGHWAY 118 (LOS
ANGELES AVENUE), AT THE SOUTHEAST CORNER OF A BRIDGE OVER
ARROYO SIML.

GENERAL NOTES (GRADING)

1. A PRECONSTRUCTION CONFERENCE OF ALL INTERESTED PARTIES SHALL BE HELD PRIOR TO ANY CONSTRUCTION OR GRADING.
2. ALL CONSTRUCTION, GRADING, STORAGE AND TRANSPORTATION ACTIVITIES WILL BE CONDUCTED IN A MANNER CONSISTENT WITH THE STORM WATER POLLUTION CONTROL PLAN SUBMITTED FOR THIS PROJECT AND THE VENTURA COUNTYWIDE STORM WATER QUALITY MANAGEMENT PROGRAM NDPS PERMIT NO. CAS004002 AND CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICES (BMP'S) HANDBOOKS. A COPY OF THE STORM WATER POLLUTION CONTROL PLAN WILL BE ON SITE AND AVAILABLE FOR REVIEW AT ALL TIMES DURING CONSTRUCTION.
3. PRIOR TO INITIATION OF ANY WORK, ALL APPROPRIATE PERMITS WILL BE PROCURED AND COPIES PROVIDED TO THE CITY ENGINEER.
4. REGULAR WATERING OF SITE WILL BE REQUIRED TO CONTROL DUST. ALL MEASURES SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER.
5. ALL CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE DURING PERIODS WHEN WINDS EXCEED 15 MILES PER HOUR.
6. ANY RECORDED MONUMENTS IN THE CONSTRUCTION AREA SHALL BE LOCATED AND TIED OUT AND SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION.

ABBREVIATIONS

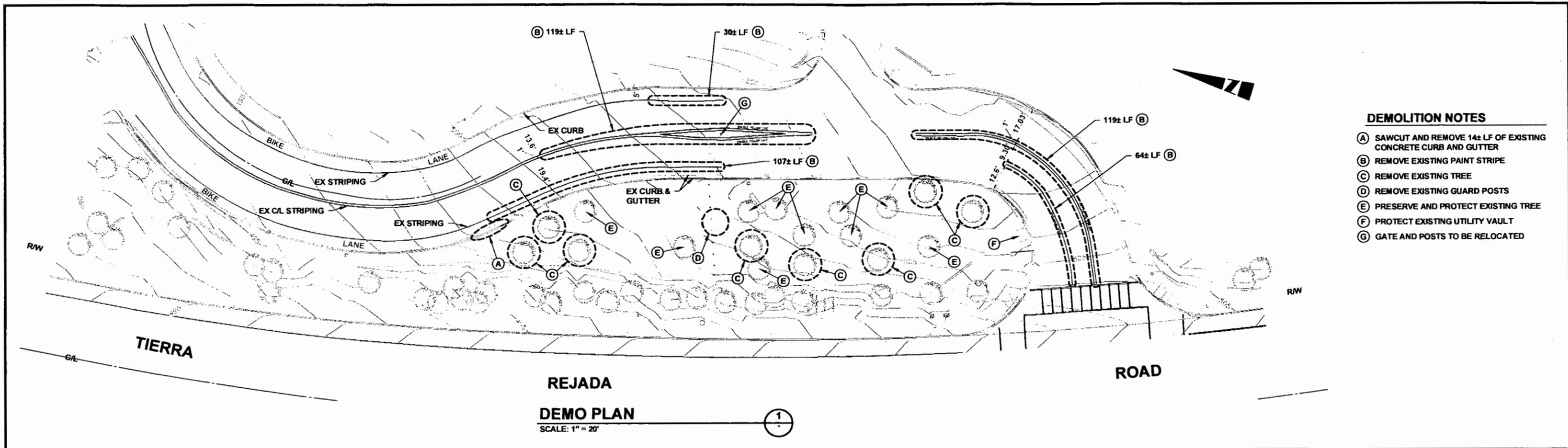
AC	ASPHALT CONCRETE
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
CL	CENTERLINE
CP	CONTROL POINT
CF	CURB FACE
EL/ELEV	ELEVATION
EX	EXISTING
EVC	END VERTICAL CURVE
FL	FLOW LINE
FS	FINISH SURFACE
FW	FACE OF WALL
GALV	GALVANIZED
GP	GUARD POST
GR. BK.	GRADE BREAK
GRND	GROUND
L.F.	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
N.T.S.	NOT TO SCALE
PB	PULL BOX
PL	PROPERTY LINE
PROP	PROPOSED
PVI	POINT OF VERTICAL INTERSECTION
PRC	POINT OF REVERSE VERTICAL CURVE
RM	RECORD MAP
R/W	RIGHT OF WAY
TC	TOP OF CURB
TR	TREE
TW	TOP OF WALL
TYP	TYPICAL
VAR	VARIABLE
VERT	VERTICAL
VC	VERTICAL CURVE

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	DEMOLITION PLAN - STRIPING PLAN
3	BIKE LANE PLAN AND PROFILE
4	DETAILS AND SECTIONS

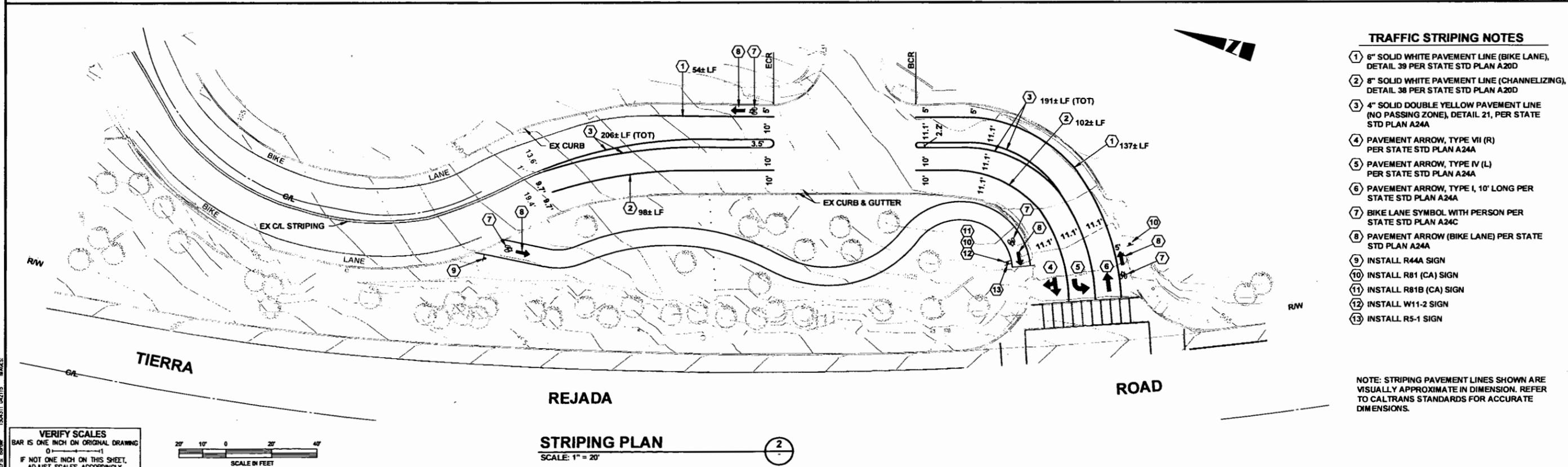
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 DATE: Dec 23, 2015 4:04pm DATE PLOTTED: 12/23/15 LOCATION: Moorpark
 REF: 101-01-Title.dwg

	PREPARED BY: PHOENIX CIVIL ENGINEERING, INC. 4532 TELEPHONE ROAD, SUITE 113 VENTURA, CA 93003 (805) 656-6800	DESIGNED BY: AJR DRAWN BY: AJR CHECKED BY: JMT APPROVED BY:	ENGINEERING REVIEWED BY: ACTING CITY ENGINEER ROBERT ANDERSON PE 58383 EXPIRATION DATE 12-31-15		CITY OF MOORPARK PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION	GRADING PERMIT NO. ENGINEERING PROJECT NO.	ARROYO VISTA PARK ENTRANCE MODIFICATION PROJECT TITLE SHEET	SHEET <u>1</u> OF <u>4</u> DRAWING NO.
ISSUED FOR BID DESCRIPTION OF REVISION R.C.E. APP'D DATE								



- DEMOLITION NOTES**
- (A) SAWCUT AND REMOVE 14± LF OF EXISTING CONCRETE CURB AND GUTTER
 - (B) REMOVE EXISTING PAINT STRIPE
 - (C) REMOVE EXISTING TREE
 - (D) REMOVE EXISTING GUARD POSTS
 - (E) PRESERVE AND PROTECT EXISTING TREE
 - (F) PROTECT EXISTING UTILITY VAULT
 - (G) GATE AND POSTS TO BE RELOCATED

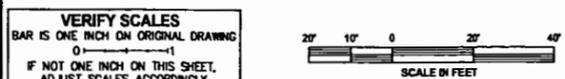
DEMO PLAN
SCALE: 1" = 20'



- TRAFFIC STRIPING NOTES**
- (1) 6" SOLID WHITE PAVEMENT LINE (BIKE LANE), DETAIL 39 PER STATE STD PLAN A20D
 - (2) 8" SOLID WHITE PAVEMENT LINE (CHANNELIZING), DETAIL 38 PER STATE STD PLAN A20D
 - (3) 4" SOLID DOUBLE YELLOW PAVEMENT LINE (NO PASSING ZONE), DETAIL 21, PER STATE STD PLAN A24A
 - (4) PAVEMENT ARROW, TYPE VII (R) PER STATE STD PLAN A24A
 - (5) PAVEMENT ARROW, TYPE IV (L) PER STATE STD PLAN A24A
 - (6) PAVEMENT ARROW, TYPE I, 10' LONG PER STATE STD PLAN A24A
 - (7) BIKE LANE SYMBOL WITH PERSON PER STATE STD PLAN A24C
 - (8) PAVEMENT ARROW (BIKE LANE) PER STATE STD PLAN A24A
 - (9) INSTALL R44A SIGN
 - (10) INSTALL R81 (CA) SIGN
 - (11) INSTALL R81B (CA) SIGN
 - (12) INSTALL W11-2 SIGN
 - (13) INSTALL R5-1 SIGN

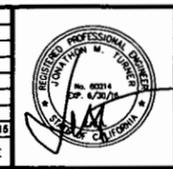
NOTE: STRIPING PAVEMENT LINES SHOWN ARE VISUALLY APPROXIMATE IN DIMENSION. REFER TO CALTRANS STANDARDS FOR ACCURATE DIMENSIONS.

STRIPING PLAN
SCALE: 1" = 20'



DWG: P:\Projects\MOORPARK\Arroyo Vista Entrance\CAD\Source Drawings\14-02-000.dwg
 USER: hnd
 DATE: Dec 23, 2015 4:28pm
 PLOT: 150x111 D:\015 IMAGES

NO.	ISSUED FOR BID	R.C.E.	APP'D	DATE
6				
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1	ISSUED FOR BID			12-23-15
Δ	DESCRIPTION OF REVISION			



PREPARED BY:
 PHOENIX CIVIL ENGINEERING, INC.
 4532 TELEPHONE ROAD, SUITE 113
 VENTURA, CA 93003
 (805) 658-5800

DESIGNED BY:
 AJR
 DRAWN BY:
 AJR
 CHECKED BY:
 JMT
 APPROVED BY:

ENGINEERING REVIEWED BY:
 ACTING CITY ENGINEER
 ROBERT ANDERSON PE 58383
 EXPIRATION DATE 12-31-15

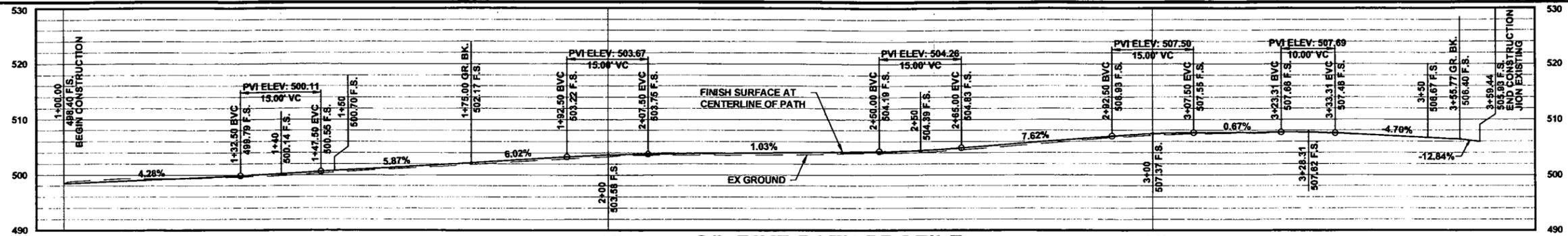


CITY OF MOORPARK
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

GRADING PERMIT NO. _____
 ENGINEERING PROJECT NO. _____

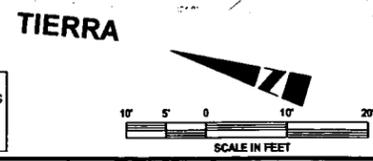
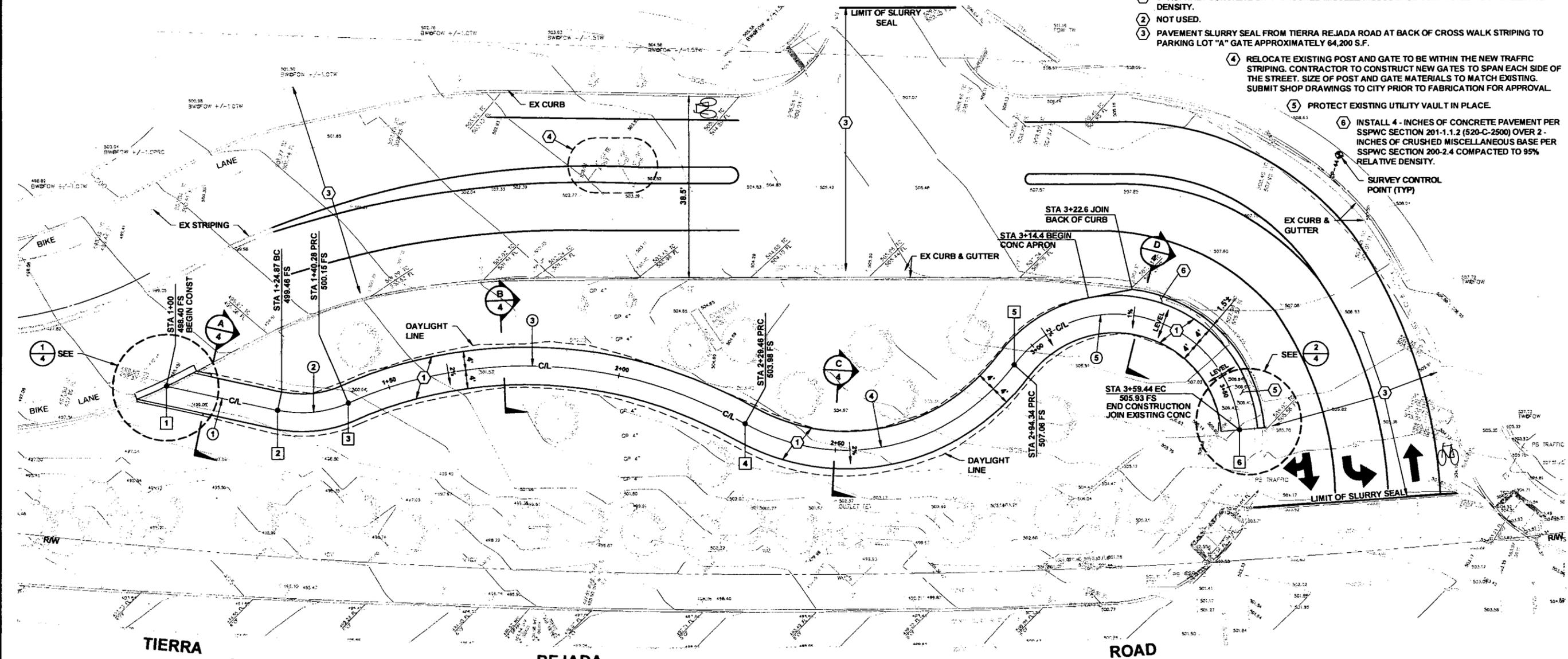
ARROYO VISTA PARK
ENTRANCE MODIFICATION PROJECT
DEMOLITION PLAN - STRIPING PLAN

SHEET 2
 OF 4
 DRAWING NO.



C/L BIKE PATH PROFILE
SCALE: 1" = 10'

- CONSTRUCTION NOTES**
- 3" ASPHALT CONCRETE ON 4" CRUSHED MISCELLANEOUS BASE COMPACTED TO 95% RELATIVE DENSITY.
 - NOT USED.
 - PAVEMENT SLURRY SEAL FROM TIERRA REJADA ROAD AT BACK OF CROSS WALK STRIPING TO PARKING LOT "A" GATE APPROXIMATELY 64,200 S.F.
 - RELOCATE EXISTING POST AND GATE TO BE WITHIN THE NEW TRAFFIC STRIPING. CONTRACTOR TO CONSTRUCT NEW GATES TO SPAN EACH SIDE OF THE STREET. SIZE OF POST AND GATE MATERIALS TO MATCH EXISTING. SUBMIT SHOP DRAWINGS TO CITY PRIOR TO FABRICATION FOR APPROVAL.
 - PROTECT EXISTING UTILITY VAULT IN PLACE.
 - INSTALL 4 - INCHES OF CONCRETE PAVEMENT PER SSPWC SECTION 201-1.1.2 (520-C-2500) OVER 2 - INCHES OF CRUSHED MISCELLANEOUS BASE PER SSPWC SECTION 200-2.4 COMPACTED TO 95% RELATIVE DENSITY.



BIKE PATH C/L DATA

① S. 4° 51' 48" E. 24.87'	④ Δ = 82° 36' 44" R = 45.00' L = 64.88'
② Δ = 35° 18' 26" R = 25.00' L = 15.41'	⑤ Δ = 138° 53' 46" R = 26.85' L = 65.10'
③ Δ = 52° 24' 25" R = 97.50' L = 89.18'	

BIKE PATH C/L COORDINATE DATA

① N 1922439.6488 E 6289646.2151	④ N 1922317.3001 E 6289647.9133
② N 1922414.8657 E 6289648.3238	⑤ N 1922265.3764 E 6289703.7778
③ N 1922400.8585 E 6289654.1306	⑥ N 1922215.0964 E 6289704.5921

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
1	ISSUED FOR BID			12-23-15

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
4532 TELEPHONE ROAD, SUITE 113
VENTURA, CA 93003
(805) 658-6800

DESIGNED BY:
AJR

DRAWN BY:
AJR

CHECKED BY:
JMT

APPROVED BY:

ENGINEERING REVIEWED BY:

ACTING CITY ENGINEER
ROBERT ANDERSON PE 58383
EXPIRATION DATE 12-31-15

DATE

CITY OF MOORPARK

PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

GRADING PERMIT NO.

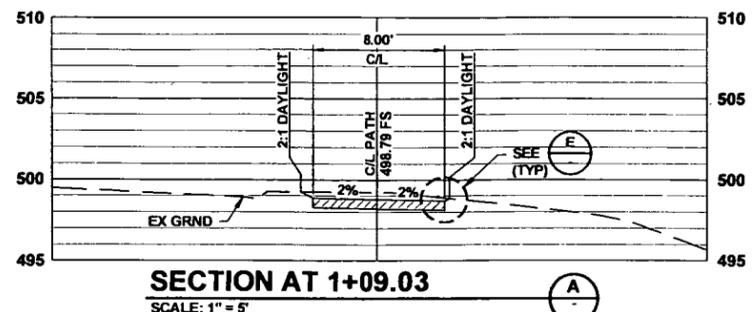
ENGINEERING PROJECT NO.

ARROYO VISTA PARK
ENTRANCE MODIFICATION PROJECT

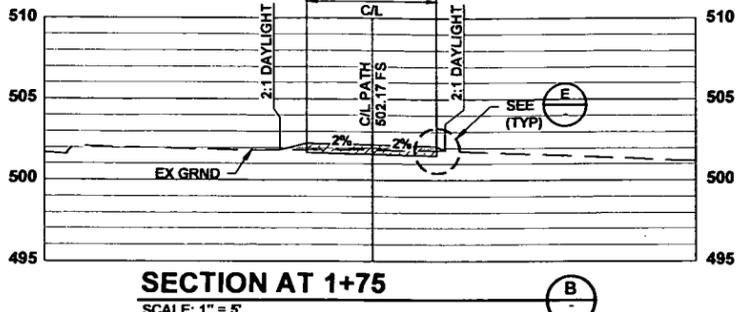
BIKE LANE PLAN AND PROFILE

SHEET	3
OF	4
DRAWING NO.	

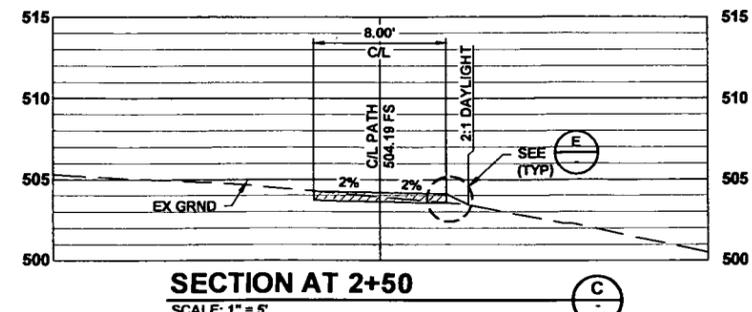
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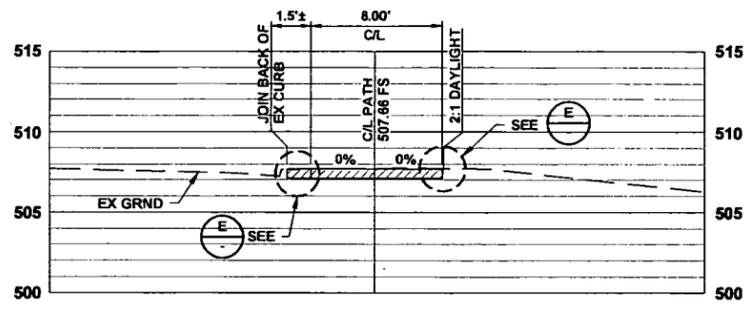
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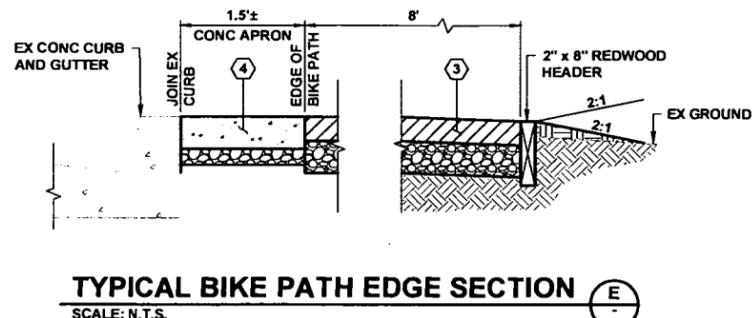
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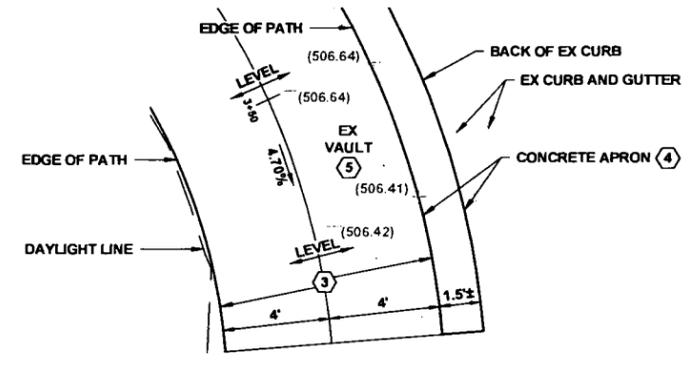
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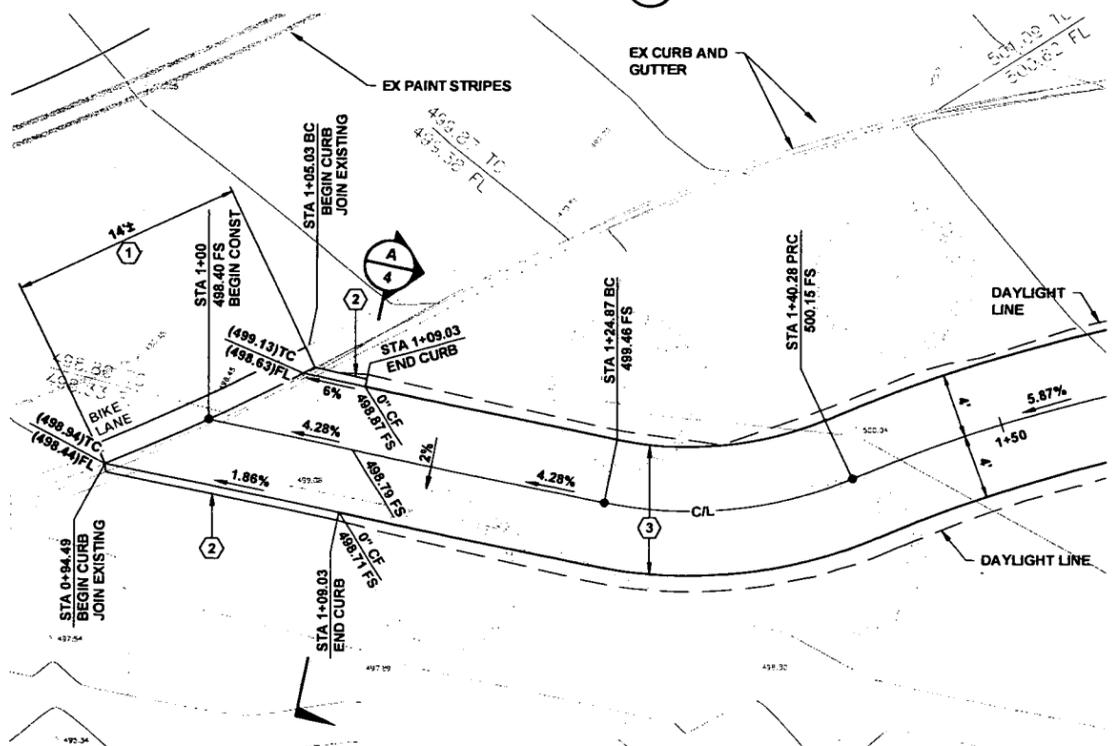
SECTION AT 3+25
SCALE: 1" = 5'



TYPICAL BIKE PATH EDGE SECTION
SCALE: N.T.S.

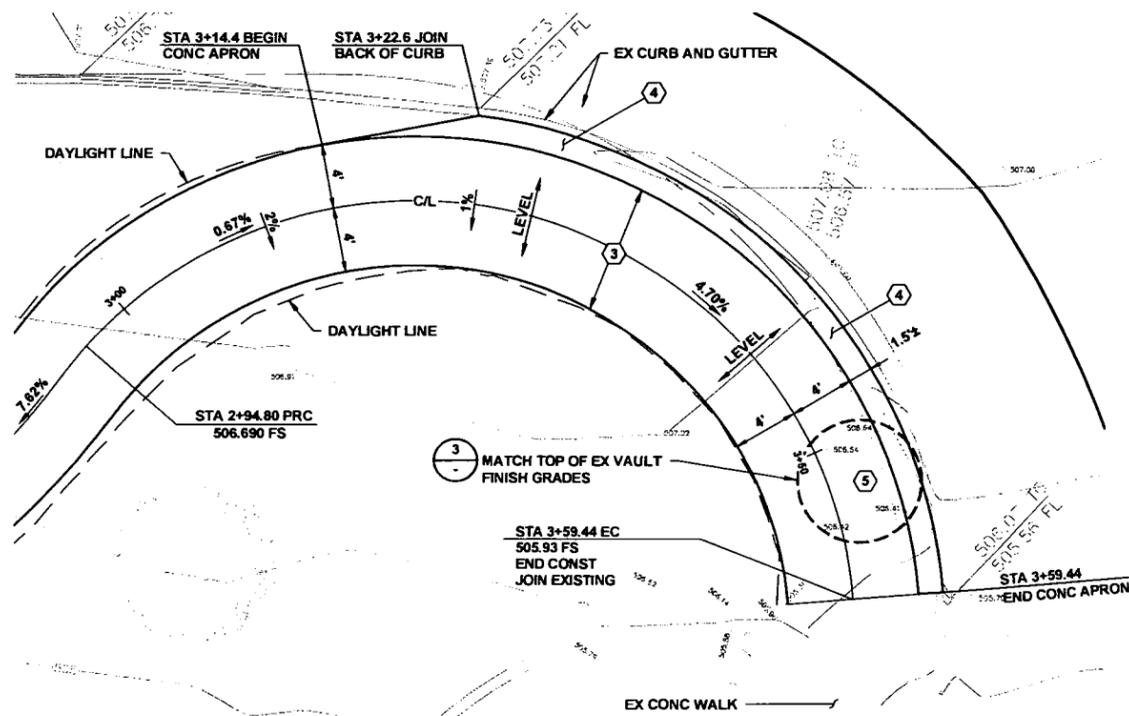


EXISTING VAULT DETAIL
SCALE: 1" = 3'



BIKE PATH ENTRANCE DETAIL
SCALE: 1" = 5'

- CONSTRUCTION NOTES**
- SAWCUT AND REMOVE 14± LF OF EXISTING CONCRETE CURB AND GUTTER AND REPLACE WITH A MODIFIED VERSION OF SPPWC STD PLAN 110-2, TYPE C, W= 8'
 - CONCRETE CURB (TRANSITIONS 6" TO 0" HEIGHT) PER SPPWC STD PLAN 120-2, TYPE A1-6
 - 3" ASPHALT CONCRETE ON 4" CRUSHED MISCELLANEOUS BASE COMPACTED TO 95% RELATIVE DENSITY
 - INSTALL 4 - INCHES OF CONCRETE PAVEMENT PER SPPWC SECTION 201-1.1.2 (520-C-2500) OVER 2 - INCHES OF CRUSHED MISCELLANEOUS BASE PER SPPWC SECTION 200-2.4 COMPACTED TO 95% RELATIVE DENSITY
 - PROTECT EXISTING UTILITY VAULT IN PLACE



BIKE PATH JOIN DETAIL
SCALE: 1" = 5'

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 USER: fmd
 DATE: Dec 23, 2015 4:09pm
 SHEET: 4 OF 4
 DRAWING NO.

VERIFY SCALES
BAR IS ONE INCH ON ORIGINAL DRAWING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

NO.	ISSUED FOR BID	R.C.E.	APPD	DATE
6				
5				
4				
3				
2				
1	ISSUED FOR BID			12-23-15
Δ	DESCRIPTION OF REVISION			

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
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 CHECKED BY:
JMT
 APPROVED BY:

ENGINEERING REVIEWED BY:
 ACTING CITY ENGINEER
ROBERT ANDERSON PE 58383
 EXPIRATION DATE 12-31-15



CITY OF MOORPARK
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

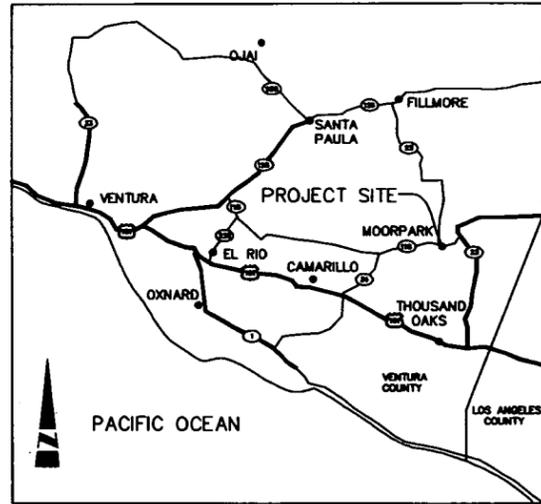
GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA PARK
 ENTRANCE MODIFICATION PROJECT
DETAILS AND SECTIONS

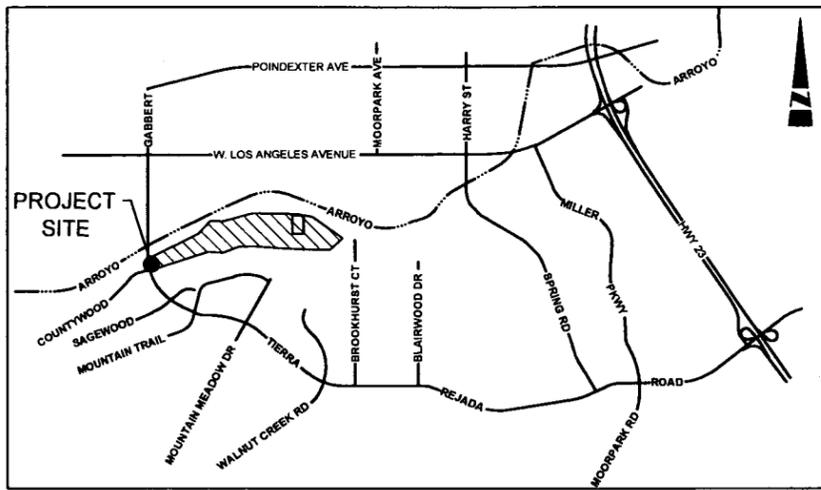
SHEET	4
OF	4
DRAWING NO.	

CITY OF MOORPARK

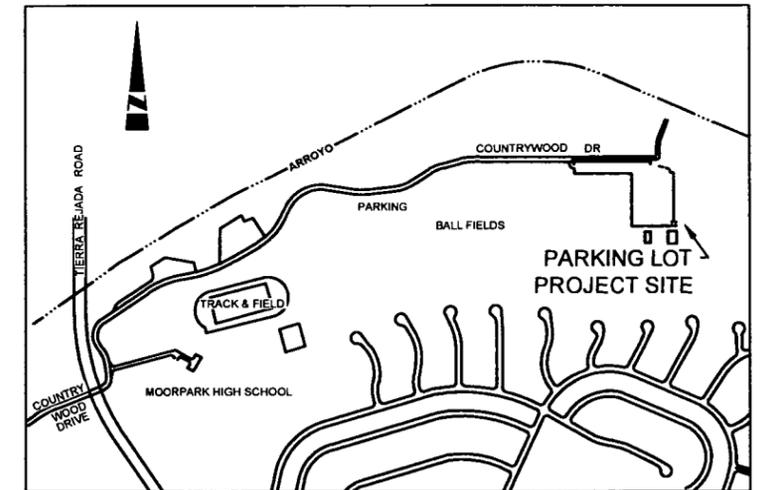
ARROYO VISTA PARK PARKING LOT DESIGN



VICINITY MAP
N.T.S.



INDEX MAP
SCALE: 1" = 2000'



PROJECT MAP
SCALE: 1" = 500'

CONTROL POINTS

POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
15	1923512.397	6293286.492	493.093	SCRBX@NOSE
16	1923225.762	6293286.082	495.462	SCRBX@NOSE

BENCH MARK DATA

VENTURA COUNTY BENCH MARK 37-14 RM 1 EL=488.168 FT. (NAVD 88). A VENTURA COUNTY BRASS DISK LOCATED 0.5 MI. SOUTHERLY ALONG TIERRA REJADA ROAD FROM ITS INTERSECTION WITH HIGHWAY 118 (LOS ANGELES AVENUE), AT THE SOUTHEAST CORNER OF A BRIDGE OVER ARROYO SIMI.

GENERAL NOTES (GRADING)

- A PRECONSTRUCTION CONFERENCE OF ALL INTERESTED PARTIES SHALL BE HELD PRIOR TO ANY CONSTRUCTION OR GRADING.
- ALL CONSTRUCTION, GRADING, STORAGE AND TRANSPORTATION ACTIVITIES WILL BE CONDUCTED IN A MANNER CONSISTENT WITH THE STORM WATER POLLUTION CONTROL PLAN/STORM WATER POLLUTION PREVENTION PLAN SUBMITTED FOR THIS PROJECT AND THE VENTURA COUNTYWIDE STORM WATER QUALITY MANAGEMENT PROGRAM NDPS PERMIT NO. CAS004002 AND CALIFORNIA STORM WATER BEST MANAGEMENT PRACTICES (BMP'S) HANDBOOKS. A COPY OF THE STORM WATER POLLUTION CONTROL PLAN AND/OR STORM WATER POLLUTION PREVENTION PLAN WILL BE ON SITE AND AVAILABLE FOR REVIEW AT ALL TIMES DURING CONSTRUCTION.
- PRIOR TO INITIATION OF ANY WORK, ALL APPROPRIATE PERMITS WILL BE PROCURED AND COPIES PROVIDED TO THE CITY ENGINEER.
- REGULAR WATERING OF SITE WILL BE REQUIRED TO CONTROL DUST. ALL MEASURES SHALL BE TO THE SATISFACTION OF THE CITY ENGINEER.
- ALL CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE DURING PERIODS WHEN WINDS EXCEED 15 MILES PER HOUR.
- ANY RECORDED MONUMENTS IN THE CONSTRUCTION AREA SHALL BE LOCATED AND TIED OUT AND SHALL BE PROTECTED IN PLACE DURING CONSTRUCTION.

ABBREVIATIONS

AC	ASPHALT CONCRETE
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
C/L	CENTERLINE
CP	CONTROL POINT
CF	CURB FACE
EL/ELEV	ELEVATION
EX	EXISTING
EVC	END VERTICAL CURVE
FL	FLOW LINE
FS	FINISH SURFACE
FW	FACE OF WALL
GALV	GALVANIZED
GP	GUARD POST
GR. BK.	GRADE BREAK
GRND	GROUND
ICB	IRRIGATION CONTROL BOX
ICV	IRRIGATION CONTROL VALVE
L.F.	LINEAR FEET
MAX	MAXIMUM
MIN	MINIMUM
N.T.S.	NOT TO SCALE
PB	PULL BOX
P/L	PROPERTY LINE
PROP	PROPOSED
PVI	POINT OF VERTICAL INTERSECTION
PRC	POINT OF REVERSE VERTICAL CURVE
RM	RECORD MAP
R/W	RIGHT OF WAY
SYC	SYCAMORE
TC	TOP OF CURB
TR	TREE
TW	TOP OF WALL
TYP	TYPICAL
VAR	VARIABLE
VERT	VERTICAL
VC	VERTICAL CURVE

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	DEMOLITION - SITE - BASIN PLAN
3	GRADING PLAN
4	SECTIONS AND DETAILS

DATE: 1/17/2016 4:37pm
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NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
1	50% SUBMITTAL			1-7-16



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 AJR
 CHECKED BY:
 JMT
 APPROVED BY:

ENGINEERING REVIEWED BY:
 ACTING CITY ENGINEER
 ROBERT ANDERSON PE 58383
 EXPIRATION DATE 12-31-15

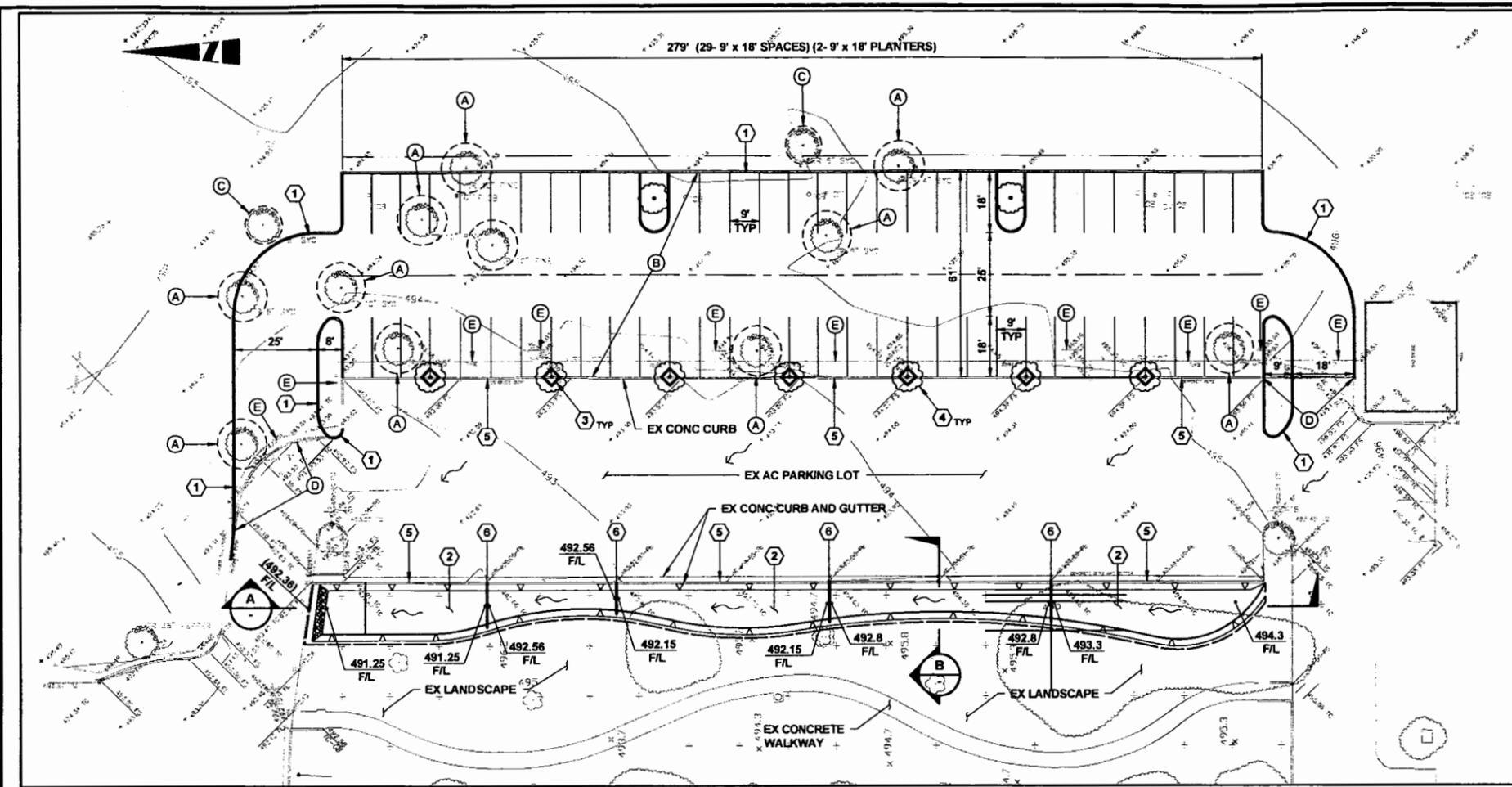


CITY OF MOORPARK
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

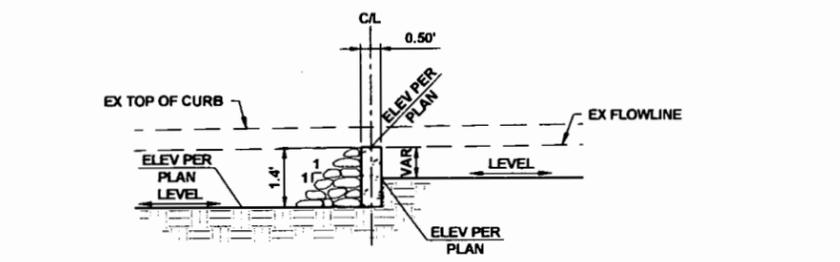
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 ENGINEERING PROJECT NO.

ARROYO VISTA PARK
PARKING LOT DESIGN
TITLE SHEET

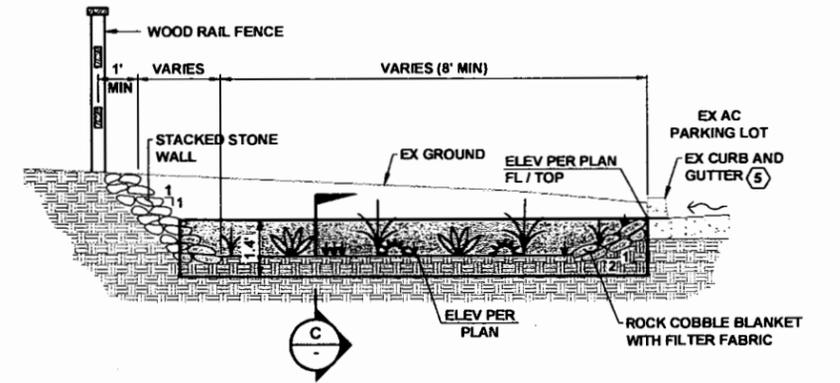
SHEET 1
 OF 4
 DRAWING NO.



DEMO - SITE PLAN
SCALE: 1" = 20'



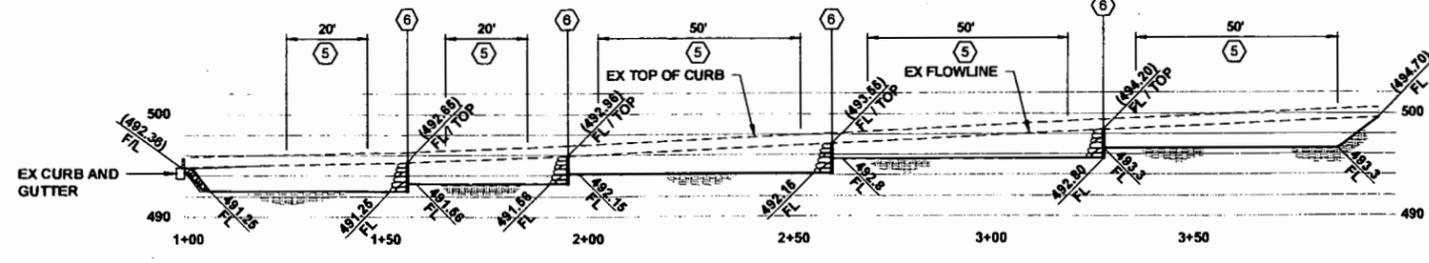
CONCRETE GRADE BREAK SECTION
SCALE: 1" = 2'



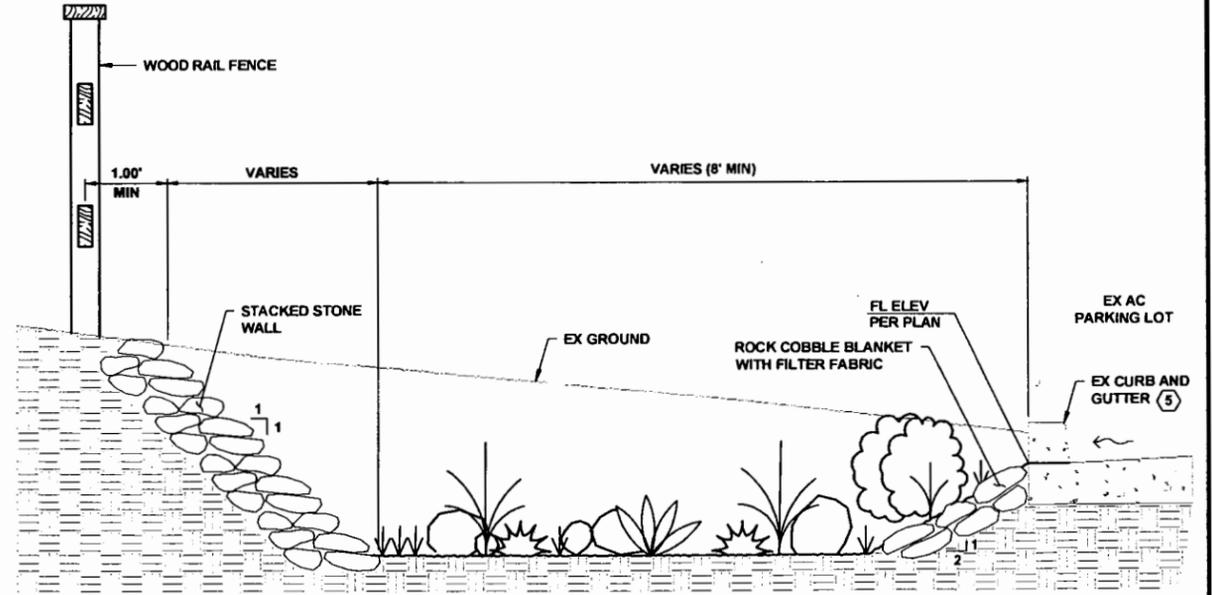
NOTE: DETAIL IS LOOKING DOWNSTREAM
CONCRETE GRADE BREAK DETAIL
SCALE: 1" = 2'

- DEMOLITION NOTES**
- (A) REMOVE EXISTING TREE
 - (B) REMOVE EXISTING VEGETATION AS NECESSARY WITHIN CONSTRUCTION ACCESS
 - (C) PRESERVE AND PROTECT EXISTING TREE
 - (D) REMOVE EX CONCRETE CURB
 - (E) REMOVE EX FENCE, APPROXIMATELY 380 FEET

- CONSTRUCTION NOTES**
- (1) PROPOSED 6" CONCRETE CURB. SEE (2/3)
 - (2) PROPOSED INFILTRATION SWALE. SEE (A/B)
 - (3) PROPOSED 4' x 4' TREE WELL WITH 6" CONCRETE CURB. SEE (5/3)
 - (4) PROPOSED TREE TYPE AND SIZE TO BE DETERMINED BY CITY.
 - (5) PROPOSED 12" WIDE CURB CUT IN EX CURB AT 10' SPACING (EQUALLY SPACED BETWEEN TREE WELLS WHERE APPLICABLE). SEE (4/3)
 - (6) PROPOSED CONCRETE GRADE BREAK. SEE (2)



C/L SECTION OF INFILTRATION SWALE
SCALE: 1" = 20' HORIZ, 1" = 4' VERT



INFILTRATION SWALE SECTION
SCALE: 1" = 1'

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NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
5				
4				
3				
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1	50% SUBMITTAL			1-7-16

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 ROBERT ANDERSON PE 56383
 EXPIRATION DATE 12-31-15

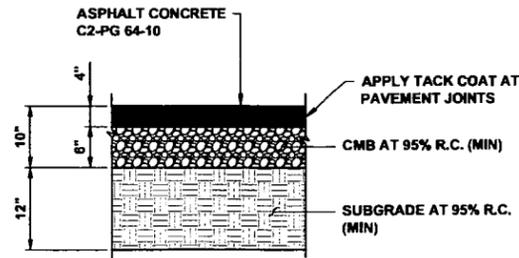


CITY OF MOORPARK
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

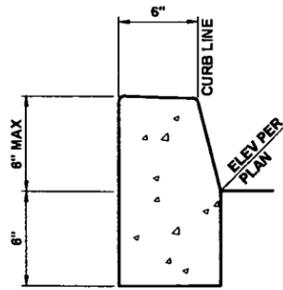
ARROYO VISTA PARK
 PARKING LOT DESIGN
DEMOLITION - SITE - BASIN PLAN

SHEET	2
OF	4
DRAWING NO.	



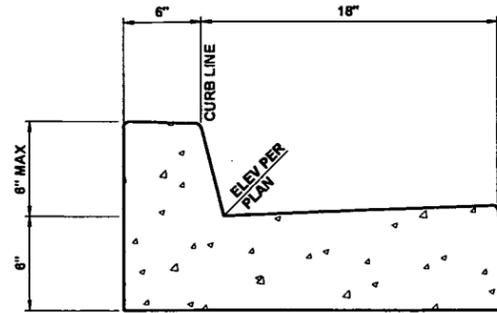
AC PAVEMENT SECTION

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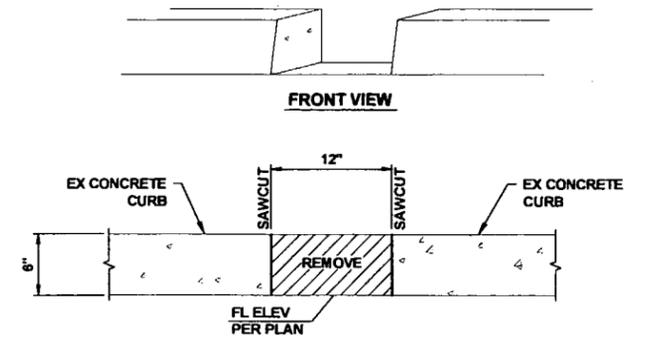
CONCRETE CURB DETAIL

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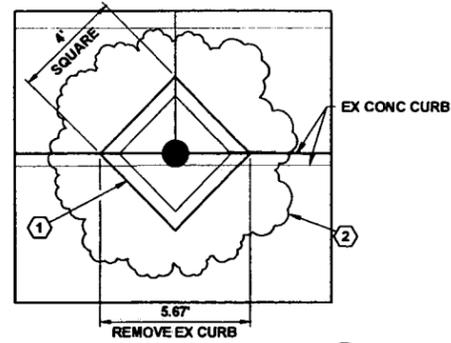
CONCRETE & CURB GUTTER DETAIL

SCALE: N.T.S.



CURB CUT DETAIL

SCALE: N.T.S.



- ① PROPOSED 6" CONCRETE CURB. SEE ②
- ② PROPOSED TREE TYPE AND SIZE TO BE DETERMINED BY CITY.

TREE WELL DETAIL

SCALE: 1" = 3'



P:\Projects\100000000\100000000.dwg
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 USER: hnd
 PLOT DATE: 07/20/18 4:50pm
 PLOT SCALE: 1/8"=1'-0"
 PLOT SIZE: 11x17

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
1	50% SUBMITTAL			1-7-18
2				
3				
4				
5				
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 ROBERT ANDERSON PE 58383
 EXPIRATION DATE 12-31-15



CITY OF MOORPARK
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION

GRADING PERMIT NO.
 ENGINEERING PROJECT NO.

ARROYO VISTA PARK
PARKING LOT DESIGN
SECTIONS AND DETAILS

SHEET 4
 OF 4
 DRAWING NO.

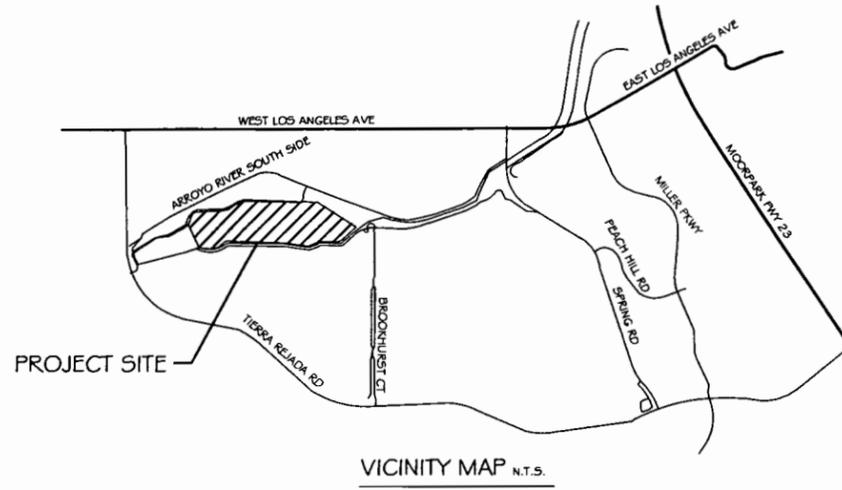
ARROYO VISTA PARK - PS-1

MOORPARK, CA

SHEET INDEX	
SHEET #	DESCRIPTION
EL-1	CONSTRUCTION NOTES, SPECIFICATIONS, GENERAL NOTES
EL-2	LIGHTING PLAN
EL-3	DETAILS, SCHEDULES
EL-4	TITLE-24

ELECTRICAL CONSTRUCTION NOTES

- THE GENERAL CONDITIONS AND SUPPLEMENTARY GENERAL CONDITIONS SHALL BE CONSIDERED AS PART OF THE SPECIFICATION.
- FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND TOOLS TO PERFORM ELECTRICAL WORK SHOWN, NOTED OR SCHEDULED FOR A COMPLETE AND FINISHED INSTALLATION.
 - ALL MATERIALS AND EQUIPMENT SHALL BE COMMERCIAL AND SHALL CARRY A U.L. LABEL.
 - MATERIALS, PRODUCTS AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE UNDERWRITERS LABORATORIES LIST OF APPROVED ITEMS AND SHALL MEET REQUIREMENTS OF ASTM, IEEE, 2013 NEC, NEMA, AND OTHER RECOGNIZED STANDARDS AND SHALL BE SIZED IN CONFORMITY WITH REQUIREMENTS OF THE NATIONAL ELECTRIC CODE AND OTHER APPLICABLE CODES, WHICHEVER ARE MORE STRINGENT.
- THE WORD "PROVIDE" AS USED HEREIN MEANS TO FURNISH AND INSTALL COMPLETE.
- ALL WORK TO BE IN ACCORDANCE WITH THE 2013 CEC (2013 NEC) AND ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
- SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES.
- ABOVE GRADE CONDUIT SHALL BE STANDARD RIGID STEEL ACCORDING TO CODE REQUIREMENTS. CONDUIT SHALL BE CONCEALED IN FINISHED AREAS, EXCEPT AS OTHERWISE APPROVED BY ARCHITECT. RIGID CONNECTIONS SHALL BE COMPRESSION TYPE. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 OR 80 PVC BURIED A MINIMUM OF 24".
- WIRE SHALL BE SINGLE CONDUCTOR COPPER WITH 600 VOLT INSULATION. ALUMINUM CONDUCTORS ARE NOT PERMITTED. #12 AND SMALLER SHALL BE SOLID. #10 AND LARGER SHALL BE STRANDED. MINIMUM WIRE SIZE SHALL BE #12. ALL WIRE AND CABLE SHALL BE NEW AND SHALL BE BROUGHT TO THE SITE IN UNBROKEN PACKAGES. ALL WIRING OF ANY TYPE SHALL BE IN CONDUIT.
 - GENERAL WIRING SHALL BE THIN OR THHN.
- ABOVE GRADE WIRE CONNECTORS SHALL BE BY "SCOTCHLOCK" OR EQUAL FOR #6 OR SMALLER AND T4B "LOCK-TITE" FOR #6 AND LARGER.
- THIS CONTRACTOR SHALL DO ALL CUTTING, CHASING OR CHANNELING AND PATCHING REQUIRED FOR ANY WORK UNDER THIS DIVISION. ANY CUTTING SHALL HAVE PRIOR APPROVAL OF THE OWNER.
- PROVIDE SAFETY AND DISCONNECT SWITCHES, SHALL BE FUSED OR NON-FUSED AS CALLED FOR ON DRAWINGS AND AS REQUIRED BY CODE. SWITCHES SHALL BE HEAVY DUTY, LOAD AND HORSEPOWER RATED AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC OR EQUAL.
- JUNCTION, PULL BOXES AND COVERS WITHIN BUILDING SHALL BE GALVANIZED STEEL, CODE GAUGE SIZE AND ACCESSIBLE.
- ELECTRICAL CONTRACTOR SHALL RECORD ALL FIELD CHANGES IN HIS WORK AS THE JOB PROGRESSES, AND UPON COMPLETION SHALL TURN OVER TO THE OWNER A "RECORD" SET OF PRINTS SHOWING THE CHANGES.
- ALL ELECTRIC WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING MAINTAINING AND REPAIRING. HANGERS SHALL INCLUDE ALL MISCELLANEOUS STEEL, SUCH AS CHANNELS, RODS, ETC., NECESSARY FOR THE INSTALLATION OF WORK AND SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUITS SHALL BE IN STRAIGHT LINES PARALLEL WITH OR AT RIGHT ANGLES TO COLUMN LINES OR BEAMS AND SEPARATED AT LEAST 3" FROM WATER LINES WHEREVER THEY RUN ALONGSIDE OR ACROSS SUCH LINES. CONDUCTORS SHALL BE ON CONDUIT, DUCTS, OR APPROVED RACEWAYS.
- ALL 90 DEGREE ELBOWS TO BE FACTORY MADE BENDS.
- PRIVATE LIGHTING SYSTEM SHALL NOT BE JOINT TRENCH WITH PUBLIC UTILITY SYSTEM.
- CONTRACTOR TO MAINTAIN PROPER SEPARATION AS REQUIRED BY THE UTILITY COMPANIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR ANY AND ALL UTILITY AND CITY INSPECTIONS.
- ALL GROUND CONDUCTORS SHALL BE SPUNCE TOGETHER WITH APPROVED CONNECTOR AT PULL BOXES AND CONNECTED TO GROUND LUG INSIDE POLE.
- SEE IMPROVEMENT PLANS FOR SITE, SEWER AND WATER (ETC.) IMPROVEMENTS PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR SHALL CONTACT "DIG ALERT" FOR MARK-OUT PRIOR TO TRENCHING AS REQUIRED.
- THESE PLANS ARE SCHEMATIC AND ARE FOR THE PURPOSE OF SHOWING HOW TO CONNECT THE ELECTRICAL SYSTEM. WHILE THE DRAWING IS AT ACTUAL SCALE, THE SYMBOLS REFERENCED ARE NOT, AND MAY APPEAR TO SHOW THE EQUIPMENT IN PLACES NOT INTENDED. THE CONTRACTOR IS TO FIELD VERIFY ALL UTILITY COMPANY SERVICE POINTS/METER LOCATIONS, POLES, PULL BOXES BUILDING LIGHT LOCATIONS, SERVICE EQUIPMENT LOCATIONS AND OTHER ELECTRICAL APPURTENANCES PRIOR TO START OF CONSTRUCTION. ANY DISCREPANCIES ARE TO BE ADDRESSED TO THE CLIENT BY MEANS OF A "REQUEST FOR INFORMATION" (RFI). CONTRACTOR IS TO VERIFY ALL LIGHT LOCATIONS WITH THE CITY PRIOR TO START OF CONSTRUCTION AND DURING STAKING. REFER TO LIGHT STANDARD DETAIL FOR STANDARDS. CONTRACTOR SHALL CONTACT "DIG ALERT" FOR MARK-OUT PRIOR TO TRENCHING AS REQUIRED.
- PANEL CIRCUIT DIRECTORY TO COMPLY WITH SECTION 406.4, CEC.
- NATIVE SOIL SHALL BE ACCEPTABLE FOR TRENCH BACK FILL PROVIDED THAT THE FILL MATERIAL USED SHALL PASS THROUGH A 1" SIEVE (CITY STANDARDS). SEE NOTES 4 DETAIL EEL-3.
- CONTRACTOR SHALL LABEL EACH CIRCUIT WITH PHENOLIC PLASTIC LABEL TAGS IN ANY DEVICE THAT HAS ACCESS. THIS SHALL INCLUDE LIGHT POLES, PULL BOXES, PANELS, AND ETCETERA. PANEL CIRCUIT NUMBER AND VOLTAGE SHALL BE IDENTIFIED. TAGS SHALL BE AFFIXED WITH NYLON ZIP-TIES.
- PLANS CONFORM WITH CAL GREEN BUILDING CODE 2011, WHICH REQUIRES ALL NEW LIGHTING SYSTEMS TO REDUCE ENERGY TO A MINIMUM OF 50%.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. ALL EXISTING CONDITIONS ARE BASED SITE VISITS BY THE ENGINEER OF RECORD AND MAY HAVE MISSED CERTAIN KEY DETAILS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL FIXTURES, LAMPS AND POLES CONTRACTOR SHALL FOLLOW THE CITY OF MOORPARK'S GUIDELINES FOR PROPER DISPOSAL OF MATERIAL AND SHALL BE RESPONSIBLE FOR ANY AND ALL ASSOCIATED COSTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT QUANTITIES OF LIGHTS ON SITE DURING THE BIDDING PROCESS AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE CITY OF MOORPARK PRIOR TO THE AWARD OF CONTRACT.
- CONTRACTOR SHALL PROVIDE SUBMITTALS ON ALL LIGHTING PRODUCTS FOR CITY APPROVAL PRIOR TO PROCUREMENT.
- CONTRACTOR SHALL VERIFY THAT ALL POLES ARE GROUNDED IN ACCORDANCE WITH NEC STANDARD PRACTICES. SHOULD POLES NOT BE GROUNDED TO FOUNDATION GROUND, PROVIDE GROUND STUD TO POLE AND PROVIDE #10 GROUND WIRE FROM POINT OF ENTRY TO LUMINAIRE SO THAT LUMINAIRE IS GROUNDED. VERIFICATION SHALL TAKE PLACE PRIOR TO BID SUBMITTAL.



TITLE-24 APPLICATION CATEGORIES

ARRYO VISTA PARK
CITY OF MOORPARK, CA
SEE SHEET EL-4 FOR MANDATORY MEASURES.

- (A) LIGHTING POWER ALLOWANCE FOR GENERAL HARDSCAPE-ALL DRIVEWAYS, PARKING STALLS AND PLANTING ISLANDS, SIDEWALKS, STAIRS-108.526 S.F. OF ILLUMINATED HARDSCAPE. TOTAL GENERAL HARDSCAPE LIGHTING ALLOWANCE=XXXX WATTS. TOTAL INSTALLED WATTS= 2,512 PER NRCC-LTO-01-E

SPECIFICATIONS

- ALL PULL BOXES TO BE TYPE 3-1/2 PB WITH TRAFFIC RATED LID AND BOLT DOWN COVER MARKED "ELECTRICAL". LEAVE 3" SLACK OF CONDUCTORS IN PULLBOX. SIZE PER SECTION 370-26, CEC.
- FUSE HOLDERS TO BE WATERPROOF AND UL LISTED. INSTALL IN-LINE IN HOT LEGS ONLY.
- ALL CONDUIT BELOW GRADE TO BE MINIMUM 3/4" SCHEDULE 40 PVC.
- ALL SPICES BELOW GRADE SHALL BE MADE IN APPROVED PULL BOXES AND SHALL BE WATERTIGHT. USE ONLY EPOXY ENCAPSULATED TYPE 3M BAGS OR EQUAL.
- ALL BELOW GRADE CONDUIT SHALL BE SEALED UPON COMPLETION OF INSTALLATION.
- ALL ELECTRICAL CONNECTORS ABOVE GRADE SHALL BE UL LISTED, TYPE "DEAL" WING-NUT OR APPROVED EQUAL.
- ALL ELECTRICAL WIRING TO BE SOLID COPPER CONDUCTOR WITH MINIMUM #10 AWG, THIN/THHN INSULATION RATED AT 600 VOLTS, UNLESS OTHERWISE NOTED.
- ALL ELECTRICIANS TO HAVE PROOF OF CALIFORNIA ELECTRICIANS CERTIFICATE/CREDENTIALS.
- ALL ABOVE GRADE JUNCTION BOXES TO BE WEATHER-PROOF. SIZE PER SECTION 370-26, CEC.

LEGEND

- BELOW GRADE ELECTRICAL CONDUIT AND WIRE RUN. SEE PLANS FOR TYPE AND # OF WIRES.
- CONCRETE UNDERGROUND PULLBOX. SEE SPEC. 1 AND DETAIL CGL-3
- EXISTING 277/480V METER PEDESTAL. SEE PLAN FOR LOCATION
- A-1 CIRCUIT DESIGNATION. 1ST # INDICATES PANEL. REMAINING #S INDICATE CIRCUIT POSITIONS.
- ⊗⊗ EXISTING LED LUMINAIRE
- TYPE 'A' AREA LIGHT. SEE LUMINAIRE SCHEDULE SHEET EL-1 AND DETAIL AEL-3
- TYPE 'B' AREA LIGHT. SEE LUMINAIRE SCHEDULE SHEET EL-1 AND DETAIL BEL-3
- ⊗● TYPE 'B1' AREA LIGHT. SEE LUMINAIRE SCHEDULE SHEET EL-1 AND DETAIL BEL-3
- ▶ TYPE 'C' WALL LIGHT. SEE LUMINAIRE SCHEDULE SHEET EL-1
- ⊕ TYPE 'C1' CEILING LIGHT. SEE LUMINAIRE SCHEDULE SHEET EL-1

LUMINAIRE SCHEDULE										SPECIFIED BY: VISUAL CONCEPTS LIGHTING, INC. 858-278-4503												
TYPE	SYMBOL	QTY	FIXTURE					VOLTS			LAMPS		MOUNTING			DESCRIPTION	MFR # CATALOG NO.					
			LUMENS	RELVIN	FLOUR	INDIC	LED	HT	HPS	12	120	120-277	480	NO.	TYPE			WATTS	WELL	SURF	SPECIAL	WALL
* (A)	●●	4	7993	4000									2	40 LED	184/55						PARKING LOT LIGHT SEE DETAIL AEL-3	CREE LED FIXTURE: (2)STR-LWY-5M-HT-04-E-UL-BK-700-40K-IP-ML AV POLES AND LIGHTING POLE: AVPL-SSS-22-4-11-BLK-VC-10YR/SA2-1805-BLK
* (B)	■●	4	4029	4000									1	20 LED	52/15						WALKWAY LIGHT SEE DETAIL BEL-3	CREE LED FIXTURE: ARE-EDG-5M-DA-02-E-UL-BK-700-ML AV POLES AND LIGHTING POLE: AVPL-RSS-11-4-11-DM19-BLK-VC-10YR
* (B1)	⊗●	16	4029	4000									1	20 LED	52/15						WALKWAY LIGHT SEE DETAIL BEL-3	CREE LED FIXTURE: ARE-EDG-5M-DA-02-E-UL-BK-700-ML OUTCAST METAL WORKS FITTER: (1)JOMW-ARRYO-BK-RX-2-B-BK
* (C)	▶	47	1323	3500									1	MULTI LED	20						WALL LIGHT SEE DETAIL BEL-3	COOPER INDUSTRIES FIXTURE: XTOR2A-N
* (C1)	⊕	26	645	3500									1	20 LED	20						CEILING LIGHT SEE DETAIL BEL-3	COOPER INDUSTRIES FIXTURE: TRF15-C-LD2-20-B-35K-BZ-UNV-ED

* OR CITY, ENGINEER APPROVED EQUAL.

Project:
ARRYO VISTA PARK PS-1
MOORPARK, CA 93021

Client:
CITY OF MOORPARK
799 MOORPARK AVE.
MOORPARK, CA 93021

Revisions:
1. 1ST SUBMITTAL 1/23/15

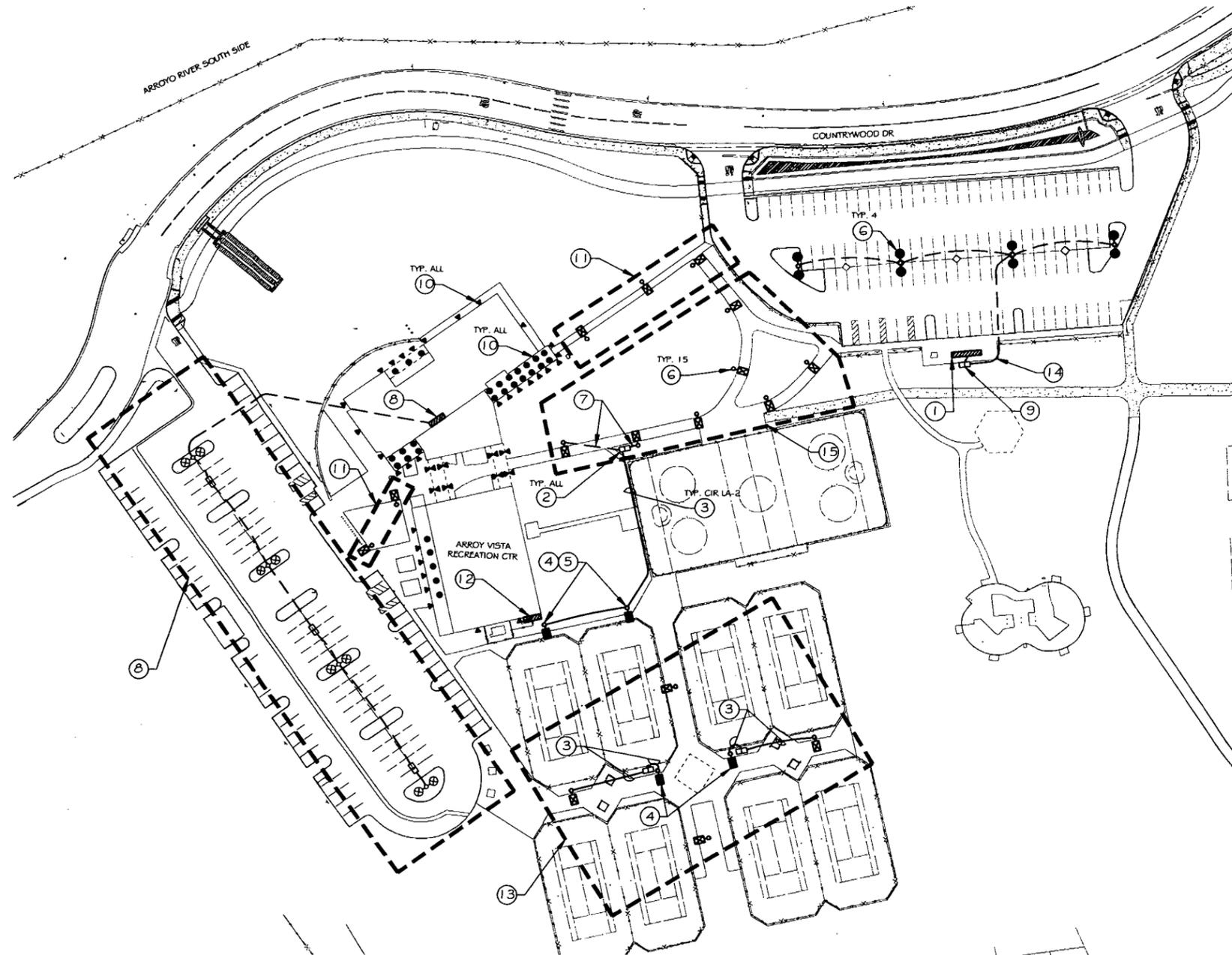
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Checked By: KFSR
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Date: 04/28/15
Job No.: CMP1310252

Sheet Title:
NOTES
SPECIFICATIONS

Sheet Reference:

EL-1

Sheet: 1 of 4



PLAN NOTES

- 1 EXISTING 277/480V SWITCHGEAR AND LIGHTING CONTROLS. PANEL "LA", 120/240V. VERIFY LOCATION.
- 2 UNDERGROUND PULLBOX. SEE INSTALLATION DETAIL D/EL-3 AND SPEC. 1/EL-1. INSERT PULL BOX OVER EXISTING CONDUIT. CUT AND TURN UP CONDUIT INTO PULL BOX. RE-PULL CONDUCTORS FROM POLE TO PULL BOX AS REQUIRED IN ORDER TO MAKE RE-CONNECTION. SHOULD ONLY BE SHORT END TO POLE. USE SAME TYPE AND SIZE WIRE.
- 3 PROVIDE 3/4" C. 2#10, 1#10 GND. BURY 24" BELOW GRADE.
- 4 NEW POLE/LIGHT PULLBOX LOCATION. SEE LUMINAIRE SCHEDULE FOR TYPE AND INSTALLATION DETAIL A/EL-3.
- 5 CONTRACTOR SHALL POUR CONCRETE COLLAR AROUND POLE BASE. SEE DETAIL A/EL-3.
- 6 CONTRACTOR TO REMOVE EXISTING LIGHT AND POLE AND DISPOSE OF ACCORDINGLY AND REPLACE WITH NEW. SEE DETAIL A/EL-3.
- 7 EXISTING CONDUIT. SEE NOTE 2 FOR WIRING DETAILS.
- 8 EXISTING PANEL L-1, 277/480 VOLT.
- 9 EXISTING PULLBOX FOR POWER AND LIGHTING CIRCUITS. VERIFY EXACT LOCATION.
- 10 CONTRACTOR TO REMOVE EXISTING BUILDING MOUNTED LUMINAIRES AND DISPOSE OF ACCORDINGLY. ALL BUILDING LUMINAIRES SHALL MOUNT DIRECTLY TO BUILDING IN SAME FASHION AS EXISTING LUMINAIRES. CONTRACTOR TO PAINT ANY UNMATCHED BUILDING COLORS.
- 11 LIGHTS FED FROM REC BUILDING PANEL ARE 277V.
- 12 TENNIS COURT LIGHTING PANEL. 277/480V.

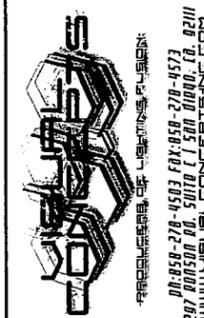
- 13 LIGHTS FED FROM TENNIS COURT PANEL ARE 277V.
- 14 EXISTING CONDUIT AND WIRING FOR PARKING LOT LIGHTS ARE 480 VOLT AND FED FROM 3-POLE DISCONNECT IN SWITCHGEAR. WIRES TO BE REMOVED AND DISCONNECT LABELED SPARE. REMOVE WIRES AND REINSTALL 2#5, 1#10 GND. IN EXISTING CONDUIT. RE-ROUTE WIRING TO 120/240V PANEL "LA" IN LAST SECTION OF SWITCHGEAR. CONTROL THROUGH EXISTING PHOTOCELL/CONTACTOR CONTROLS. CONNECT TO SPARE CIRCUIT POSITION LA-3. CIRCUIT LA-5 IS SPARE. LABEL ON CIRCUIT CARD.
- 15 LIGHTS FED FROM PANEL "LA". CIRCUIT POSITIONS 2,4,6 ARE 120V.

DEMOLITION NOTES

- 1 CONTRACTOR TO REMOVE ALL EXISTING LIGHT POLES AND FIXTURES. VERIFY DISPOSAL PROCEDURES WITH CITY OF MOOREPARK. CITY OF MOOREPARK MAY REQUIRE OLD UNITS BE DELIVERED TO THEM.



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Project:
 ARROYO VISTA PARK PS-1
 MOORPARK, CA 93021

Client:
 CITY OF MOORPARK
 799 MOORPARK AVE.
 MOORPARK, CA 93021

Revisions:
 1. 1ST SUBMITTAL 12/03/15

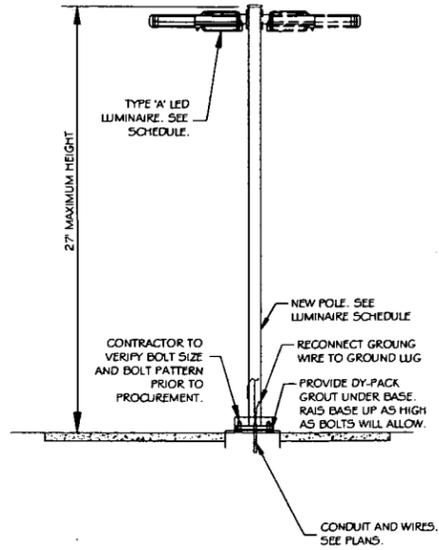
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 Job No.: CMP13/10252

Sheet Title:
 LIGHTING PLAN 1

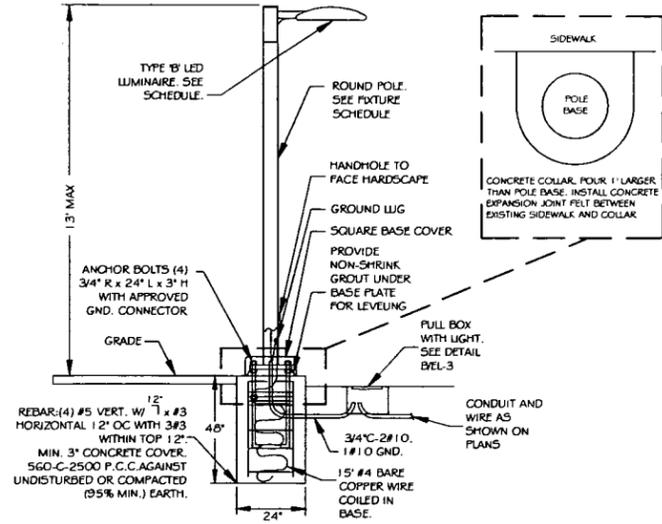
Sheet Reference:

EL-2

Sheet 2 of 4



NO SCALE
A TYPE 'A', AREA LIGHT INSTALLATION DETAIL

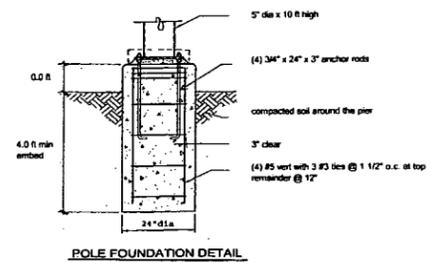


NO SCALE
B TYPE 'B', 'B1' AREA LIGHT INSTALLATION DETAIL

Location: City of Moore Park, CA 93021

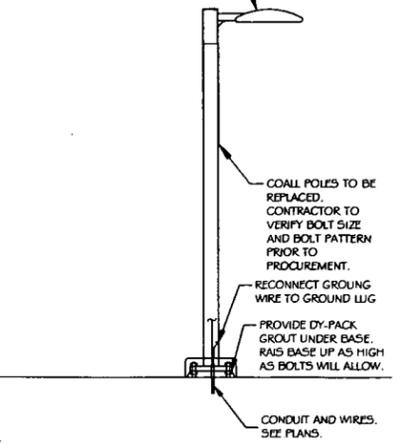
Design Criteria:
Code: CBC 2013
Wind Speed: 110 mph (Ultimate) Risk Category II
Shall: ANPL-RSS Standard 11gpa $W = 108$
Light Fixture: Single mounted on top EPA = 1.0 8' fixture 6 arm
Anchor Rods: (4) 3/4" x 24" x 3"
Concrete Pier: 24" dia x 4.0 ft embedment $P_c = 3000$ psi

Wind Calculations:
 $q_s = 0.00256 K_z K_{zt} V^2 = 22.4$ psf (Ultimate)
 $F = q_s C_{FA}$
 $G = 0.85$ $C_F = 1.8$ @ pole, $C_F = 1.82$ @ fixture
Moment @ base = 570 ft-lbs
Shear @ base = 90 lbs
Actual lateral soil bearing pressure = 83 psf
Allowable lateral soil bearing pressure = 252 psf
Pole embedment = 4.0 ft

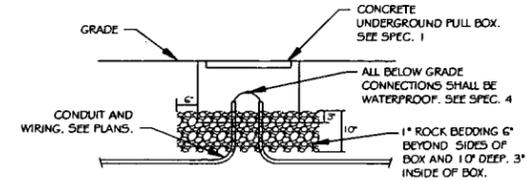


TYPE 'B1' LED LUMINAIRE. SEE PLANS FOR LOCATIONS OF SINGLE AND DOUBLE REPLACEMENTS.

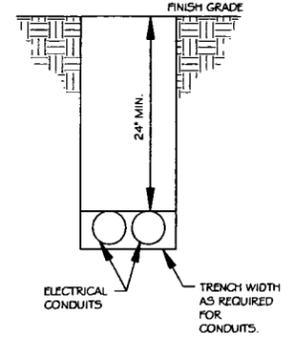
ALL LIGHTS SHALL BE EQUIPPED WITH HI/LO OCCUPANCY SENSOR FOR REDUCING ILLUMINATION TO AT LEAST 50% PER CAL GREEN BUILDING CODE WHEN NO PRESENCE DETECTED.



REPLACEMENT DETAIL TYPE B1



NO SCALE
C PULL BOX INSTALLATION DETAIL



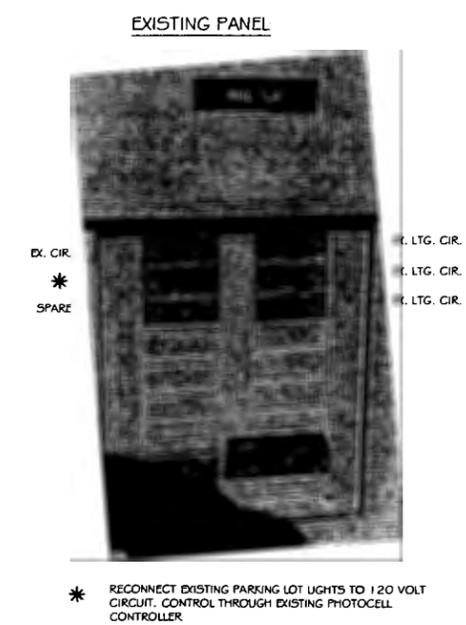
NO SCALE
D TRENCH AND CONDUIT INSTALLATION DETAIL

BACKFILL MATERIAL:
THE MATERIAL USED FOR BACKFILLING THE TRENCH ABOVE THE SHADING MATERIAL AND EXTENDING UPWARD TO THE SUBGRADE SHALL BE FREE OF ROCKS OR CLODS LARGER THAN 6" IN ANY DIMENSION. THE COARSE MATERIAL SHALL BE WELL DISTRIBUTED THROUGHOUT THE FINER MATERIAL. THE AMOUNT OF ROCKS OR CLODS SHALL BE LIMITED, IN THE OPINION OF THE INSPECTOR. THE BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES AND CITY STANDARDS AND BE FREE OF DEBRIS AND ORGANIC MATTER.

SHADING MATERIAL AND INSTALLATION:
NATURAL SAND, MANUFACTURED SAND, DECOMPOSED GRANITE, ROCK FREE SANDY LOAM, EXISTING NATIVE MATERIAL OR COMBINATION THEREOF. AGGREGATE MATERIAL SHALL BE CAPABLE OF PASSING THROUGH A 1/2" SIEVE. GRAVEL SHALL NOT AMOUNT TO MORE THAN 50% OF MIXTURE. SCREENING OR OTHER SUITABLE MEANS MAY BE REQUIRED AT THE INSPECTOR'S DISCRETION. THE EARTH TRENCH BOTTOM SHALL BE STABLE WITH A UNIFORM GRADE CONTAINING NO HARD CLODS, ROCKS, AND ETCETERA, THAT MAY DAMAGE THE CONDUIT. IF IN THE OPINION OF THE INSPECTOR, THE CONDUIT MAY BE DAMAGED DURING COMPACTION, A 3" SHADE OF MATERIAL ABOVE AND BELOW THE CONDUIT MAY BE REQUIRED.

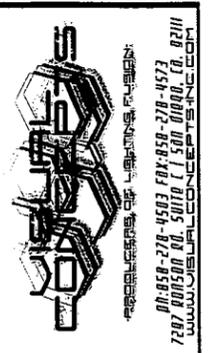
COMPACTION:
SHADING AND BACKFILL SHOULD BE COMPACTED IN ACCORDANCE WITH GOVERNMENTAL AGENCIES AND SHALL HAVE A MINIMUM OF 90% RELATIVE COMPACTION. VERIFY REQUIREMENTS WITH INSPECTOR.

NOTE TO CONTRACTOR:
MAINTAIN PROPER SEPARATION FROM ALL WET AND DRY UTILITIES PER THE CITY OF MOORPARK AND SCE.



NO SCALE
D TRENCH AND CONDUIT INSTALLATION DETAIL

E NOT USED



Project:
ARROYO VISTA PARK PS-1
MOORPARK, CA 93021

Client:
CITY OF MOORPARK
799 MOORPARK AVE.
MOORPARK, CA 93021

Revisions:
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Sheet Title:
DETAILS

Sheet Reference:

EL-3

Sheet: 3 of 4

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 DEC-ARCC-LTO-01-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-01-E
 (Page 1 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

Project Address: MOORPARK CA 93021 Total Illuminated Hardscape Area: 65,841

General Information
 Phase of Construction: New Construction Addition Alteration
 Outdoor Lighting Zone (OLZ): OLZ-1 OLZ-2 OLZ-3 OLZ-4
 I have confirmed with the AUI which OLZ applies to this site. For default lighting zone designations, see Title 24 Part 6, §10-1.14

Lighting Compliance Documents (check box for each document included)
 For further information on the use of this and all other CEI/ESD Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.
 NRCC-LTO-01-E Certificate of Compliance
 NRCC-LTO-02-E Outdoor Lighting Controls Certificate of Compliance
 NRCC-LTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance

Summary of Allowed Outdoor Lighting Power
 1. Sum Total ALLOWED Outdoor Lighting Wattage from NRCC-LTO-03-E, page 1 = 8,963
 2. Sum Total INSTALLED Outdoor Lighting Wattage from NRCC-LTO-01-E, page 3 = 3,276

Declaration of Required Installation Certificates - Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)
 NRCC-LTO-01-E - Must be submitted for all buildings Field Inspector
 NRCC-LTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance. Field Inspector
 Declaration of Required Certificates of Acceptance - Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)
 NRCC-LTO-02-A - Must be submitted for outdoor lighting controls. Field Inspector

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 DEC-ARCC-LTO-01-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-01-E
 (Page 2 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7
 Name or Symbol Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)
 Name or Symbol Description of exempt luminaire in accordance with the exemptions

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)
 Name or Symbol Description of exempt luminaire in accordance with the exemptions

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 DEC-ARCC-LTO-01-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-01-E
 (Page 3 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

A. OUTDOOR LIGHTING SCHEDULE AND FIELD INSPECTION ENERGY CHECKLIST

Name or Icon Tag	Complete Luminaire Description	Luminaire Schedule		Installed Watts		Location	Cutoff	Field Inspector	
		A	B	C	D				
A1	LED (2) HEAD PARKING POLE LIGHT	184.0	<input type="checkbox"/>	<input type="checkbox"/>	4	758	Autonomous Hardscape	<input type="checkbox"/>	
B	LED PEDESTRIAN POLE LIGHT	52.0	<input type="checkbox"/>	<input type="checkbox"/>	4	208	Pedestrian Hardscape	<input type="checkbox"/>	
B1	LED PEDESTRIAN POLE LIGHT	52.0	<input type="checkbox"/>	<input type="checkbox"/>	16	632	Pedestrian Hardscape	<input type="checkbox"/>	
C	LED WALL PACK	20.0	<input type="checkbox"/>	<input type="checkbox"/>	47	940	Autonomous Hardscape	<input type="checkbox"/>	
C1	LED EXTERIOR DOWNLIGHT	20.0	<input type="checkbox"/>	<input type="checkbox"/>	28	560	Non Sales Canopy	<input type="checkbox"/>	
INSTALLED WATTS PAGE TOTAL:							3,276	Enter sum total of all pages (Sum Total INSTALLED Outdoor Lighting wattage) into NRCC-LTO-01-E, Page 1	3,276

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance June 2013

STATE OF CALIFORNIA
OUTDOOR LIGHTING
 DEC-ARCC-LTO-01-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-01-E
 (Page 4 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

Documentation Author's Declaration Statement
 I, Kevin Sheppard, certify that this Certificate of Compliance documentation is accurate and complete.
 Kevin Sheppard
 Visual Concepts INC
 7297 Roman Rd, Suite C
 San Diego, CA 92111

Responsible Person's Declaration Statement
 I, Milton Haderik, certify that this Certificate of Compliance documentation is accurate and complete.
 Milton Haderik
 Visual Concepts
 7297 Roman Road, Ste C
 San Diego, CA 92111

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 DEC-ARCC-LTO-02-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-02-E
 (Page 1 of 3)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

The NRCC-LTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

Mandatory Outdoor Lighting Control Declaration Statements
 Check all that apply:
 Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with §110.9(a).
 Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An installation Certificate shall be submitted in accordance with §130.4(b).
 All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1.
 For Night Outdoor Lighting Controls, as defined in Section 100.1(b), shall meet the requirements in Section 110.9(b)(5).
 All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.
 All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b).
 All installed outdoor lighting shall be controlled by a photocell or outdoor astronomical time-switch control in accordance with Section 130.2(c)(1).
 All installed outdoor lighting shall be circuited and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)(2).
 All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)(3).
 For Outdoor Sales Frontages, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(c)(4).
 For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(c)(5).
 Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 DEC-ARCC-LTO-02-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-02-E
 (Page 2 of 3)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

MANDATORY OUTDOOR LIGHTING CONTROL SCHEDULE AND FIELD INSPECTION CHECKLIST

Location and Application of Luminaires being controlled	Type/Description of Lighting Control (i.e. motion sensor, photocell, outdoor astronomical time-switch control, centralized time-based zone lighting control)	# of Units	Standards Complying With						Field Inspector
			§110.9(a)	§110.9(b)	§110.9(b)(5)	§110.9(c)	§110.9(d)	§110.9(e)	
A1	PHOTOCELL	4	<input type="checkbox"/>						
B	PHOTOCELL	4	<input type="checkbox"/>						
B1	PHOTOCELL	16	<input type="checkbox"/>						
C	TIMECLOCK	47	<input type="checkbox"/>						
C1	TIMECLOCK	28	<input type="checkbox"/>						

STATE OF CALIFORNIA
OUTDOOR LIGHTING CONTROLS
 DEC-ARCC-LTO-02-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-02-E
 (Page 3 of 3)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

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 Visual Concepts INC
 7297 Roman Rd, Suite C
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Responsible Person's Declaration Statement
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 Visual Concepts
 7297 Roman Road, Ste C
 San Diego, CA 92111

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
 DEC-ARCC-LTO-03-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-03-E
 (Page 1 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY
 1. General Hardscape Lighting Power Allowance (Sum Total from Section B of NRCC-LTO-03-E) = 8,403
 2. Additional Specific "use it or lose it" Lighting Power Allowance based in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCC-LTO-03-E.

PER APPLICATION from Section C-1	PER UNIT LENGTH (SALES FRONTAGE) from Section C-2	PER HARDSCAPE AREA (ORNAMENTAL LIGHTING) from Section C-3	PER SPECIFIC AREA from Section C-4
0	0	0	500
Sum Total ALLOWED Outdoor Lighting Wattage (add rows 1 and 2)			8,903

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area	Area (sq ft)	Power Density (W/sq ft)	Power Allowance (W)
PARKING LOT	43,476	0.190	8,259
PEDESTRIAN	22,365	0.290	6,485
TOTAL			8,403

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
 DEC-ARCC-LTO-03-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-03-E
 (Page 2 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

C-3. WATTAGE ALLOWANCE PER SQUARE FOOT OF HARDSCAPE AREA (Ornamental Lighting) - Table 140.7-B
 Allowance for the total site illuminated hardscape area. Luminaires qualifying for this allowance shall be rated for 100 watts or less as determined in accordance with Section 130.0(c), and shall be post-top luminaires, sconces, pendant luminaires, or chandeliers.
 If more than one luminaire type is used per location, use multiple rows for that location.

A	B	C	D	E	F	G	H	I	J	
Name of area for which allowance is claimed	Square feet of Hardscape	Wattage Allowance per square foot (W/sq ft)	Wattage (W)	Wattage (W)	Luminaire Code or Symbol	Luminaire Description	Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
Sum total allowance for ornamental lighting on the site: 0										

C-4. WATTAGE ALLOWANCE PER SQUARE FOOT OF SPECIFIC AREA - Table 140.7-B
 Allowances for Building Facades; Outdoor Sales Lots; Vehicle Service Station Hardscape; Vehicle Service Station Canopies; Sales Canopies; Non-sales Canopies; Guard Stations; Student Pick-up/Drop-off zone; Outdoor Dining; Special Security Lighting for Retail Parking and Pedestrian Hardscape.
 If more than one luminaire type is used per location, use multiple rows for that location.

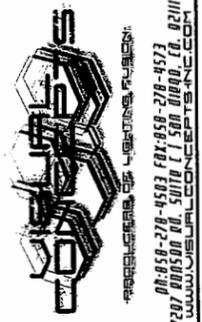
A	B	C	D	E	F	G	H	I	J	
Name of location for which allowance is claimed	Estimated Area of Application	Wattage Allowance per square foot (W/sq ft)	Wattage (W)	Wattage (W)	Luminaire Code or Symbol	Luminaire Description	Quantity	Watts per luminaire	Design Watts (G x H)	Allowed Watts (smaller of D or I)
OVERHANGS	3,157	0.408	1,288	0	C1	LED EXTERIOR DOWNLIGHT	28	20.0	560	560
Sum total allowance for specific area on the site: 560										

STATE OF CALIFORNIA
OUTDOOR LIGHTING POWER ALLOWANCES
 DEC-ARCC-LTO-03-E (Revised 05/15)
 CERTIFICATE OF COMPLIANCE
 NRCC-LTO-03-E
 (Page 4 of 4)

Project Name: ARROYO VISTA PARK Date Issued: 12/3/2015

Documentation Author's Declaration Statement
 I, Kevin Sheppard, certify that this Certificate of Compliance documentation is accurate and complete.
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Project:
 ARROYO VISTA PARK PS-1
 MOORPARK, CA 93021

Client:
 CITY OF MOORPARK
 799 MOORPARK AVE.
 MOORPARK, CA 93021

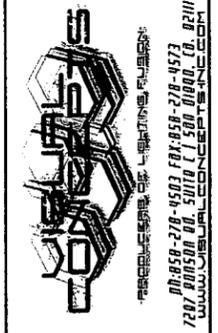
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Sheet Reference:

EL-4



Project:
ARROYO VISTA PARK
 MOORPARK, CA 93021

Client:
CITY OF MOORPARK
 799 MOORPARK AVE.
 MOORPARK, CA 93021



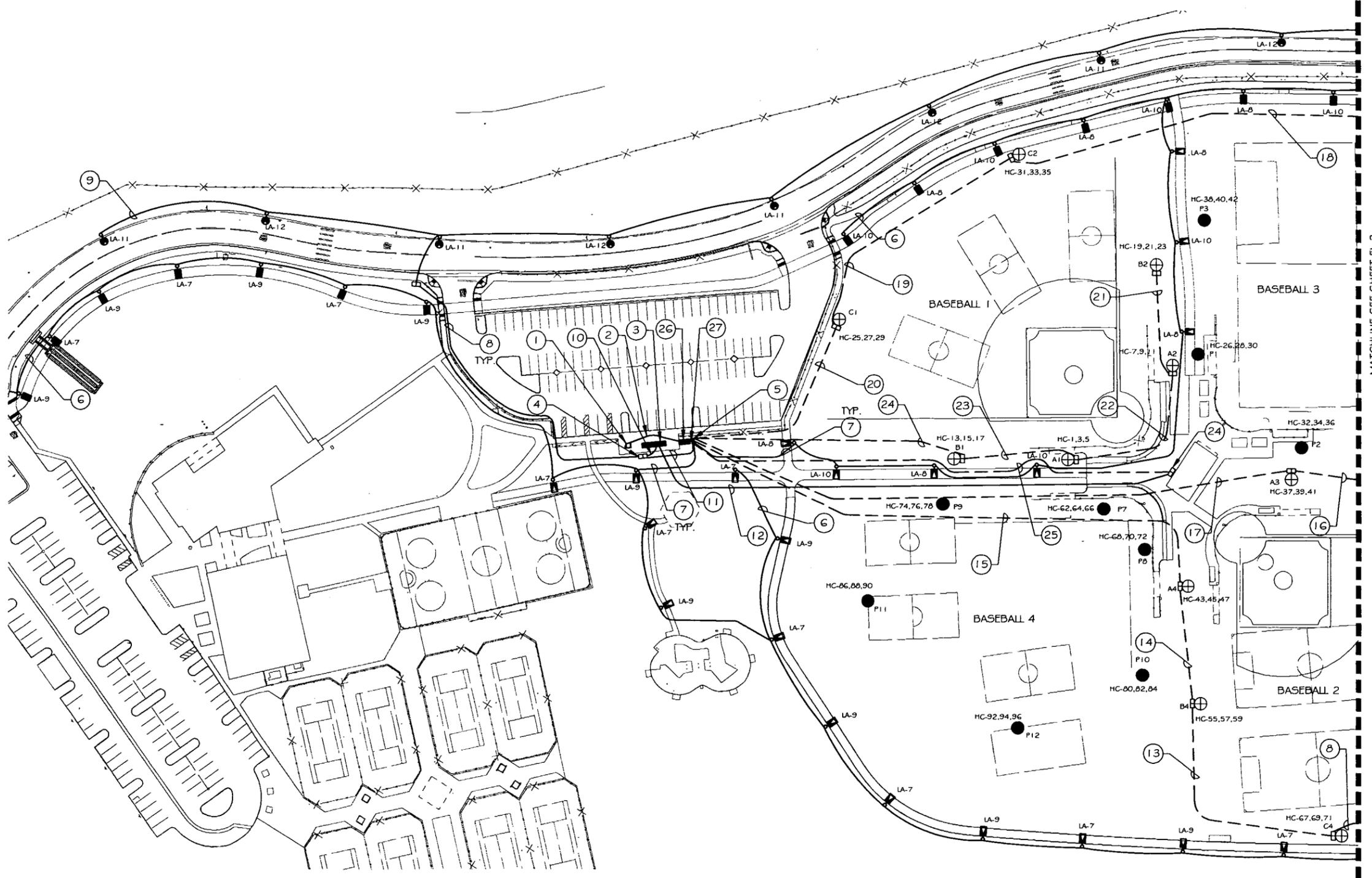
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LIGHTING PLAN 1

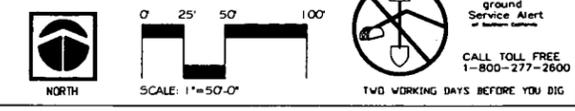
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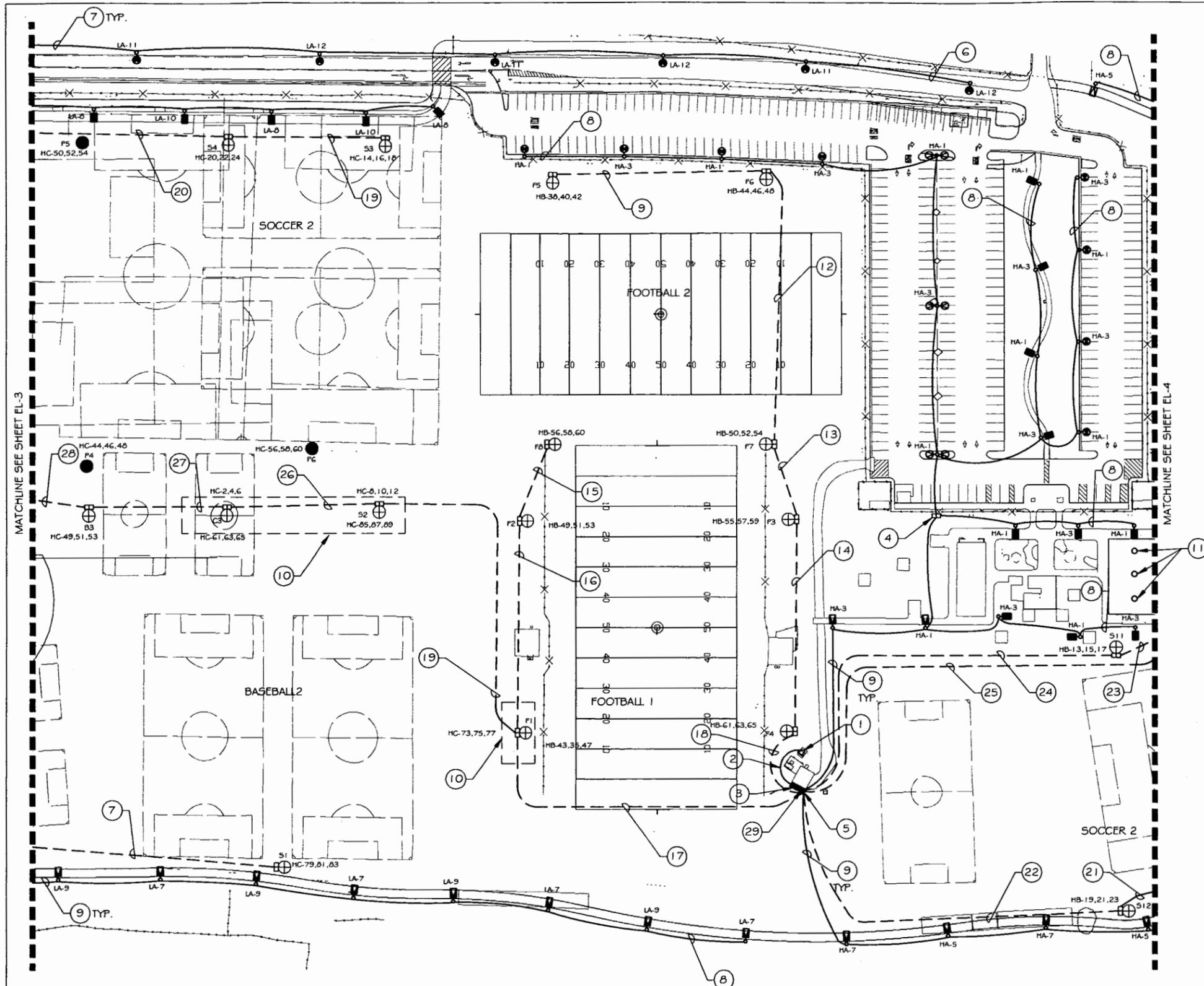
EL-2
 Sheet: 2 of 8



PLAN NOTES

- | | | | |
|---|---|---|---|
| <p>1 EXISTING SCE 3Ø TRANSFORMER. SEE UTILITY SERVICE ORDER.</p> <p>2 PROVIDE (2) 4" DB CONDUIT ONLY WITH PULL ROPE. SEE SCE SERVICE ORDER FOR EXACT LOCATION OF TRENCH AND INSTALLATION REQUIREMENTS.</p> <p>3 EXISTING PANEL 1A 277/480V</p> <p>4 EXISTING BELOW GRADE CONCRETE PULLBOX.</p> <p>5 MUSCO SPORTS LIGHTING CONTROL CABINET. SEE DETAIL AEL-7.</p> <p>6 PROVIDE 1" C-2#8, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>7 PROVIDE 1" C-3#8, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>8 PROVIDE 1" C-3#6, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>9 PROVIDE 1" C-2#6, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>10 EX 2" C-INSTALL 3#6, 6#8, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>11 PROVIDE 1 1/4" C-6#8, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>12 EXISTING CONDUIT AND WIRE FOR SWITCHGEAR SUB-FEED TO REMAIN. SHOULD NO GND WIRE EXIST, PHASE TAPE GREEN ONE OF SPARE PHASE CONDUCTORS AND TERMINATE ON GROUND BUS.</p> | <p>13 PROVIDE 1 1/4" C-6#6, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>14 PROVIDE 1 1/4" C-6#6, 3#8, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>15 PROVIDE 1 1/4" C-6#6, 6#8, 1#10 GND. BURY 24" BELOW GRADE.</p> <p>16 PROVIDE 2" C-3#4, 15#6, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>17 PROVIDE 2" C-3#4, 15#6, 3#10, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>18 PROVIDE 1 1/4" C-6#4, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>19 PROVIDE 1 1/2" C-6#4, 3#10, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>20 PROVIDE 1 1/2" C-6#4, 6#10, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>21 PROVIDE 1" C-3#10, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>22 PROVIDE 1" C-6#10, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>23 PROVIDE 1 1/4" C-9#10, 1#8 GND. BURY 24" BELOW GRADE.</p> <p>24 PROVIDE 1 1/4" C-12#10, 1#8 GND. BURY 24" BELOW GRADE.</p> | <p>25 REMOVE EXISTING SWITCHGEAR AND MUSCO LIGHTING CONTROLS. INSTALL TYPE 6 PULLBOX OVER TOP OF CONDUITS AND PATCH AND REPLACE CONCRETE ACCORDINGLY. RECONNECT ALL EXISTING CONDUCTORS AS REQUIRED. MUSCO SPORTS LIGHTING CIRCUITS WILL BE CONTROLLED FROM NEW SPORTS LIGHTING CONTROL CABINET PER PLAN. BUILDING INTERIOR ELECTRICAL STEP-DOWN TRANSFORMER WILL BE RECONNECTED TO THE EXISTING SWITCHGEAR SUB-FEED CONDUCTORS. THE EXISTING CONDUCTORS ARE FOR A 480V, 3Ø SUB-FEED WITH 3 HOT LEGS AND NO NEUTRAL. ONE OF THE HOT LEGS SHALL BE ABANDONED. SHOULD THERE NOT BE AN EXISTING GROUND WIRE, ONE ON THE PHASE WIRES WILL BE CONVERTED TO A GROUND BY PHASE TAPING GREEN AT EVERY LOCATION ALONG THE WAY THAT HAS ACCESSIBILITY. RECONNECT THE TRANSFORMER AS REQUIRED. A FUSED DISCONNECT BEFORE THE TRANSFORMER SHALL BE INSTALLED INSIDE OF THE BUILDING NEXT TO THE TRANSFORMER. PROVIDE A NEMA 1, 100A FUSED DISCONNECT WITH GSA FUSES. A NEW 2P BREAKER SHALL BE REQUIRED TO BE INSTALLED IN THE EXISTING POSITION OF THE CURRENT 3P BREAKER AND SIZED AT 100A.</p> | <p>26 PROVIDE (2) 2" C-1Ø#4, 1#8 GND. IN EACH CONDUIT. BURY 24" BELOW GRADE. NEW MUSCO LIGHTING FEEDS TO EXISTING SPORTS LIGHTING CIRCUITS. RECONNECT ACCORDINGLY IN PULLBOX.</p> <p>27 PROVIDE 600A, 277/480V, 3Ø, 4W DUAL METER SWITCHGEAR MMS-2. SEE DETAIL AEL-7.</p> <p>28 PROVIDE (1) 2" C-1Ø#10, 6#8, 1#10 GND, (1) 2" C-21#6, 1#10 GND, (1) 4" C-45#4, 1#8 GND. BURY 24" BELOW GRADE FROM SWITCHGEAR TO MUSCO CABINETS. ALL MUSCO SPORTS LIGHTING AND SITE LIGHTING CIRCUITS TO BE RUN THROUGH MUSCO LIGHTING CABINET. VERIFY CABINET SUMMARY FOR WHICH CIRCUIT GO THROUGH WHICH CABINET.</p> |
|---|---|---|---|





PLAN NOTES

- 1 EXISTING SCE 30 TRANSFORMER. SEE UTILITY SERVICE ORDER.
- 2 PROVIDE (2) 4" DB CONDUIT ONLY WITH PULL ROPE. SEE SCE SERVICE ORDER FOR EXACT LOCATION OF TRENCH AND INSTALLATION REQUIREMENTS.
- 3 PROVIDE GOA, 277/480V, 3Ø, 4W DUAL METER SWITCHGEAR MMS-1. SEE DETAIL AEL-6.
- 4 EXISTING BELOW GRADE CONCRETE PULLEDBOX.
- 5 MUSCO SPORTS LIGHTING CONTROL CABINETS. SEE DETAIL AEL-6.
- 6 PROVIDE 1" C-246, 1#10 GND. BURY 24" BELOW GRADE.
- 7 PROVIDE 1" C-346, 1#10 GND. BURY 24" BELOW GRADE.
- 8 PROVIDE 1" C-248, 1#10 GND. BURY 24" BELOW GRADE.
- 9 PROVIDE 1" C-348, 1#10 GND. BURY 24" BELOW GRADE.
- 10 2 LIGHTING CIRCUITS PROVIDED TO THIS POLE FOR EACH FIELD BEING LT. SEE MUSCO PLANS AND PANEL SCHEDULES.
- 11 REPLACE EXISTING UNDER CANOPY LIGHTS. SEE DETAIL XELX.
- 12 PROVIDE 1" C-648, 1#10 GND. BURY 24" BELOW GRADE.
- 13 PROVIDE 1 1/4" C-648, 3#10, 1#10 GND. BURY 24" BELOW GRADE.
- 14 PROVIDE 1 1/4" C-648, 6#10, 1#10 GND. BURY 24" BELOW GRADE.
- 15 PROVIDE 1" C-3410, 1#10 GND. BURY 24" BELOW GRADE.
- 16 PROVIDE 1" C-6410, 1#10 GND. BURY 24" BELOW GRADE.
- 17 PROVIDE 1" C-9410, 1#10 GND. BURY 24" BELOW GRADE.
- 18 PROVIDE 1 1/2" C-648, 9#10, 1#10 GND. BURY 24" BELOW GRADE.
- 19 PROVIDE 1 1/4" C-344, 1#8 GND. BURY 24" BELOW GRADE.
- 20 PROVIDE 1 1/4" C-644, 1#8 GND. BURY 24" BELOW GRADE.
- 21 PROVIDE 1 1/4" C-646, 3#8, 1#10 GND. BURY 24" BELOW GRADE.
- 22 PROVIDE 1 1/2" C-646, 6#8, 1#10 GND. BURY 24" BELOW GRADE.
- 23 PROVIDE 1 1/2" C-1246, 1#10 GND. BURY 24" BELOW GRADE.
- 24 PROVIDE 1 1/2" C-1246, 3#8, 1#10 GND. BURY 24" BELOW GRADE.
- 25 PROVIDE 1 1/2" C-644, 6#8, 1#8 GND. BURY 24" BELOW GRADE.
- 26 PROVIDE 1 1/2" C-344, 6#6, 1#8 GND. BURY 24" BELOW GRADE.
- 27 PROVIDE 2" C-344, 12#6, 1#8 GND. BURY 24" BELOW GRADE.
- 28 PROVIDE 2" C-344, 15#6, 1#8 GND. BURY 24" BELOW GRADE.
- 29 PROVIDE (1) 2" C-24410, 12#6, 1#8 GND. (1) 2 1/2" C-2748, 6#4, 1#8 GND. BURY 24" BELOW GRADE FROM SWITCHGEAR TO MUSCO CABINETS. ALL MUSCO SPORTS LIGHTING AND SITE LIGHTING CIRCUITS TO BE RUN THROUGH MUSCO LIGHTING CABINET. VERIFY CABINET SUMMARY FOR WHICH CIRCUIT GO THROUGH WHICH CABINET.



Project:
**ARROYO VISTA PARK
 MOORPARK, CA 93021**

Client:
**CITY OF MOORPARK
 799 MOORPARK AVE.
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Revisions:

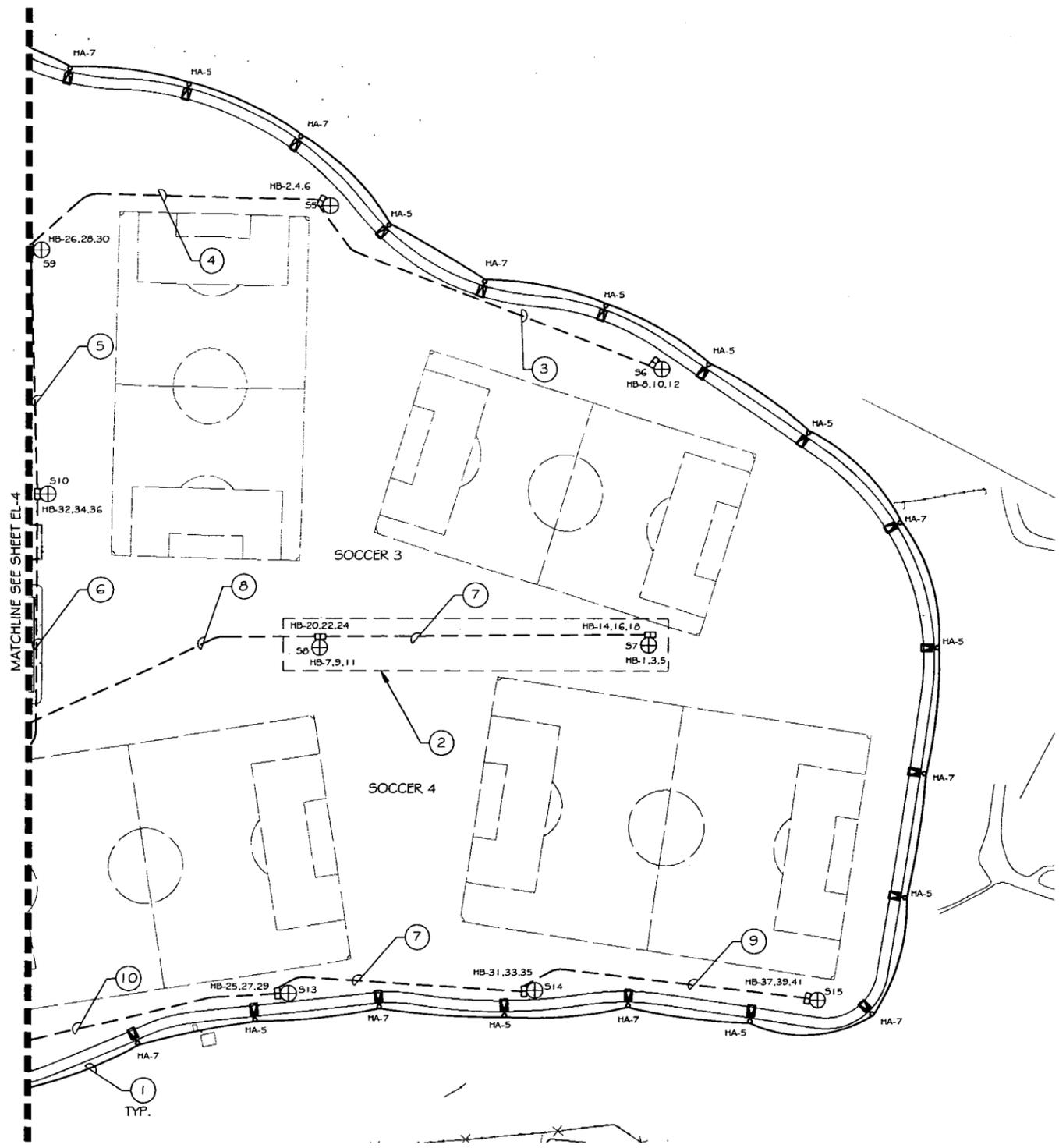
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LIGHTING PLAN 2

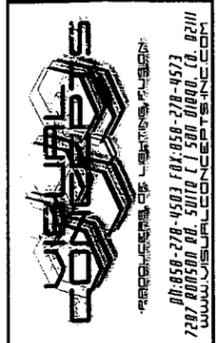
Sheet Reference:

EL-3
 Sheet: 3 of 8

Underground Service Alert
 CALL TOLL FREE 1-800-277-2600
 TWO WORKING DAYS BEFORE YOU DIG



- PLAN NOTES**
- ① PROVIDE 1" C-2#8, 1#10 GND. BURY 24" BELOW GRADE.
 - ② 2 LIGHTING CIRCUITS PROVIDED TO THIS POLE FOR EACH FIELD BEING LIT. SEE MUSCO PLANS AND PANEL SCHEDULES.
 - ③ PROVIDE 1 1/4" C-3#4, 1#8 GND. BURY 24" BELOW GRADE.
 - ④ PROVIDE 1 1/2" C-6#4, 1#8 GND. BURY 24" BELOW GRADE.
 - ⑤ PROVIDE 1 1/2" C-6#4, 3#8, 1#8 GND. BURY 24" BELOW GRADE.
 - ⑥ PROVIDE 1 1/2" C-6#4, 6#8, 1#8 GND. BURY 24" BELOW GRADE.
 - ⑦ PROVIDE 1 1/4" C-6#6, 1#10 GND. BURY 24" BELOW GRADE.
 - ⑧ PROVIDE 1 1/2" C-12#6, 1#10 GND. BURY 24" BELOW GRADE.
 - ⑨ PROVIDE 1 1/2" C-3#6, 1#10 GND. BURY 24" BELOW GRADE.
 - ⑩ PROVIDE 1 1/4" C-6#6, 3#8, 1#10 GND. BURY 24" BELOW GRADE.



Project:
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Revisions:

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LIGHTING PLAN 3

Sheet Reference:

EL-4

Sheet: 4 of 8

NORTH

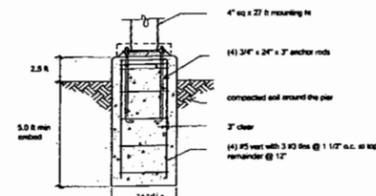
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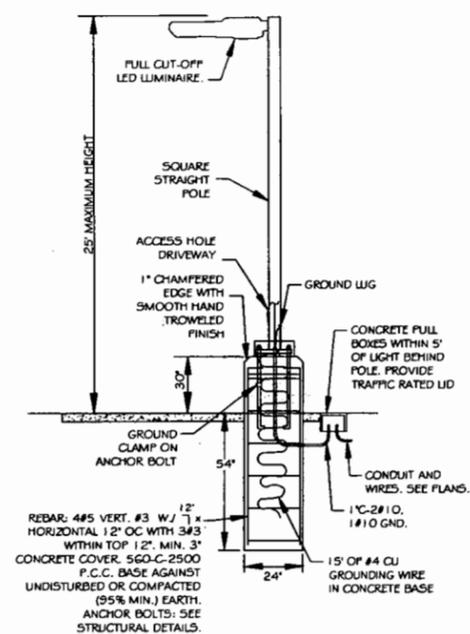
Underground Service Alert
 CALL TOLL FREE 1-800-277-2600
 TWO WORKING DAYS BEFORE YOU DIG

Design Criteria:
 Code: CSC 2013
 Wind Speed: 110 mph (ultimate) Risk Category II
 Shaft: A191-253 4"
 Light Fixture: Single Mounting H = 27 ft max
 Anchor Rods: (4) 3/4" x 24" x 7"
 Concrete Base: 24" dia x 5.0 ft embedment f_c = 3000 psi

Wind Calculations:
 $q_s = 0.00256 K_z K_{zt} V^2 = 25.8$ psf (ultimate)
 $F = q_s / 1000$ psf
 Moment @ base = 240 ft-lb
 Shear @ base = 240 lb
 Actual lateral soil bearing pressure = 275 psf
 Allowable lateral soil bearing pressure = 375 psf
 Pole embedment = 5.0 ft



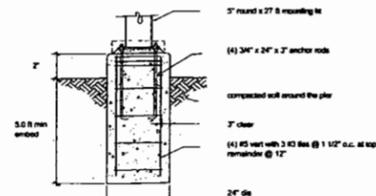
POLE FOUNDATION DETAIL



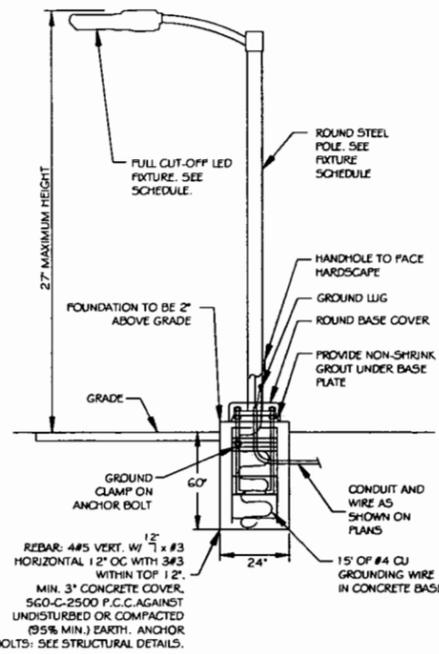
(A) TYPE 'A', 'B' PARKING LOT LIGHT INSTALLATION DETAIL

Design Criteria:
 Code: CSC 2013
 Wind Speed: 110 mph (ultimate) Risk Category II
 Shaft: 5" Round steel pole Mounting H = 27 ft max
 Light Fixture: IP65 Street Light
 Anchor Rods: (4) 3/4" x 24" x 7"
 Concrete Base: 24" dia x 5.0 ft embedment f_c = 3000 psi

Wind Calculations:
 $q_s = 0.00256 K_z K_{zt} V^2 = 23.7$ psf (ultimate)
 $F = q_s / 1000$ psf
 Moment @ base = 200 ft-lb
 Shear @ base = 200 lb
 Actual soil pressure @ 1/3 depth = 292 psf
 Allowable soil pressure = 417 psf
 Pole embedment = 5.0 ft



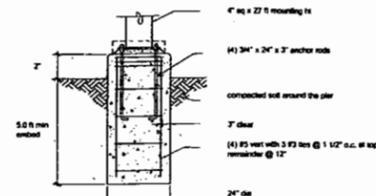
POLE FOUNDATION DETAIL



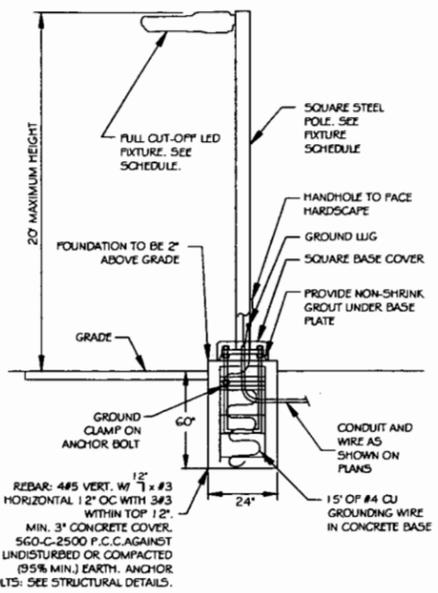
(B) TYPE 'C' STREET LIGHT INSTALLATION DETAIL

Design Criteria:
 Code: CSC 2013
 Wind Speed: 110 mph (ultimate) Risk Category II
 Shaft: 4" Square steel pole Mounting H = 20 ft max
 Light Fixture: IP65 Street Light
 Anchor Rods: (4) 3/4" x 24" x 7"
 Concrete Base: 24" dia x 5.0 ft embedment f_c = 3000 psi

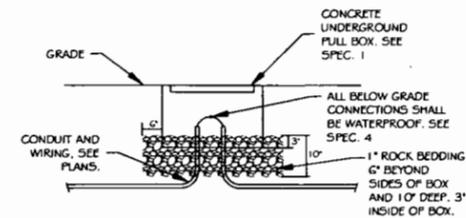
Wind Calculations:
 $q_s = 0.00256 K_z K_{zt} V^2 = 23.7$ psf (ultimate)
 $F = q_s / 1000$ psf
 Moment @ base = 437 ft-lb
 Shear @ base = 437 lb
 Actual soil pressure @ 1/3 depth = 292 psf
 Allowable soil pressure = 417 psf
 Pole embedment = 5.0 ft



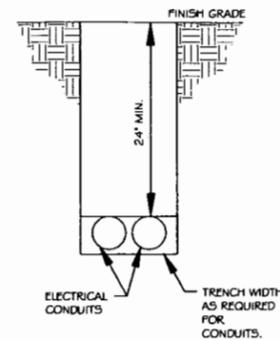
POLE FOUNDATION DETAIL



(C) TYPE 'D', 'E', 'F' WALKWAY LIGHT INSTALLATION DETAIL



(D) PULL BOX INSTALLATION DETAIL



(E) TRENCH AND CONDUIT INSTALLATION DETAIL

BACKFILL MATERIAL:
 THE MATERIAL USED FOR BACKFILLING THE TRENCH ABOVE THE SHADING MATERIAL AND EXTENDING UPWARD TO THE SUBGRADE SHALL BE FREE OF ROCKS OR CLODS LARGER THAN 6" IN ANY DIMENSION. THE COARSE MATERIAL SHALL BE WELL DISTRIBUTED THROUGHOUT THE FINER MATERIAL. THE AMOUNT OF ROCKS OR CLODS SHALL BE LIMITED, IN THE OPINION OF THE INSPECTOR. THE BACKFILL MATERIAL SHALL MEET THE REQUIREMENTS OF ALL APPLICABLE CODES, ORDINANCES AND CITY STANDARDS AND BE FREE OF DEBRIS AND ORGANIC MATTER.

SHADING MATERIAL AND INSTALLATION:
 NATURAL SAND, MANUFACTURED SAND, DECOMPOSED GRANITE, ROCK FREE SANDY LOAM, EXISTING NATIVE MATERIAL OR COMBINATION THEREOF. AGGREGATE MATERIAL SHALL BE CAPABLE OF PASSING THROUGH A 1/2" SIEVE. GRAVEL SHALL NOT AMOUNT TO MORE THAN 50% OF MIXTURE. SCREENING OR OTHER SUITABLE MEANS MAY BE REQUIRED AT THE INSPECTOR'S DISCRETION.

THE EARTH TRENCH BOTTOM SHALL BE STABLE WITH A UNIFORM GRADE CONTAINING NO HARD CLODS, ROCKS, AND ETCETERA. THAT MAY DAMAGE THE CONDUIT. IF IN THE OPINION OF THE INSPECTOR, THE CONDUIT MAY BE DAMAGED DURING COMPACTION, A 3" SHADE OF MATERIAL ABOVE AND BELOW THE CONDUIT MAY BE REQUIRED.

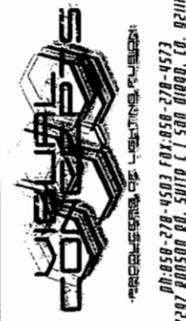
COMPACTION:
 SHADING AND BACKFILL SHOULD BE COMPACTED IN ACCORDANCE WITH GOVERNMENTAL AGENCIES AND SHALL HAVE A MINIMUM OF 90% RELATIVE COMPACTION. VERIFY REQUIREMENTS WITH INSPECTOR.

NOTE TO CONTRACTOR:
 MAINTAIN PROPER SEPARATION FROM ALL WET AND DRY UTILITIES PER THE CITY OF MOORPARK AND SCE.



A. NEW LIGHTING CIRCUITS TO BE CONTROLLED THROUGH THE 'MUSCO' CONTROL PANEL. PROVIDE 20A BREAKER OF SAME TYPR AND KIND.

(F) EXISTING PANEL 'A'



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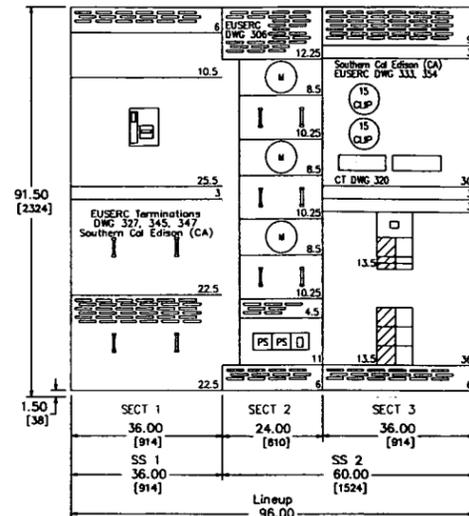
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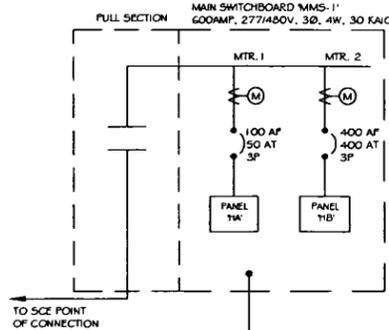
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Sheet: 5 of 8



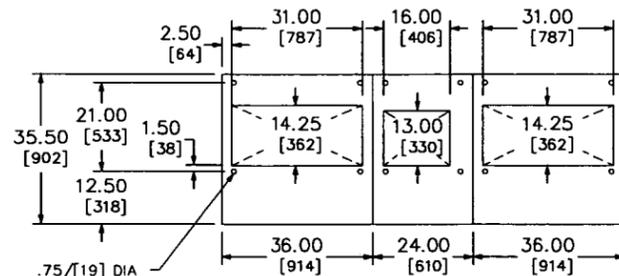
ELEVATION PLAN - FRONT



1 #20 BARE COPPER TO 3/4" x 10' LONG COPPER-CLAD GROUND ROD. GROUND RESISTANCE READING SHALL CONFORM TO SECTION 250.56 OF THE N.E.C.

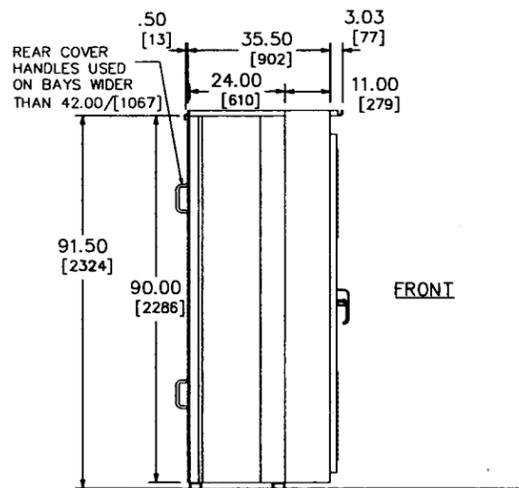
LOAD SUMMARY

PANEL HA-SITE LIGHTING	3,016 WATTS
PANEL HB-SPORTS LIGHTING	262,167 WATTS
TOTAL	265,183 WATTS 318.9 AMPS

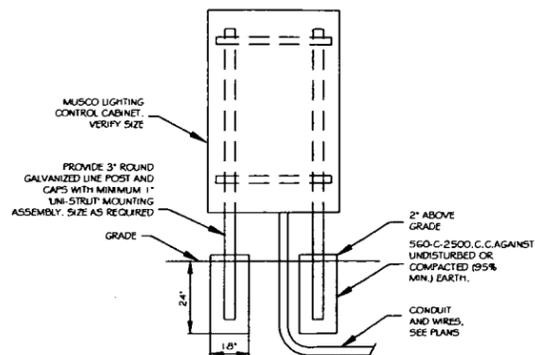


ELEVATION PLAN - FRONT

NOTE:
A MINIMUM OF 2.00/[51] CLEARANCE BEHIND THE SWITCHBOARD IS REQUIRED FOR TOP COVER OVERHANG.



8" THICK ENCLOSURE PAD WITH 560-C-2500 P.C.C. STRENGTH CONCRETE AND #4 REBAR 12" O.C. FOUR AT SAME FINISHED GRADE AS EXISTING PAD. INSTALL EXPANSION FELT BETWEEN PADS. DOWEL AND EPOXY BETWEEN BOTH PADS. PAD DIMENSIONS SHALL BE SUCH THAT THERE SHALL BE 3" IN FRONT OF ENCLOSURE AND 18" CLEAR ON ALL OTHER SIDES. SHOULD THE ENCLOSURE BE WITHIN 5' OF A DRIVEWAY ON ANY SIDE, PERMANENT PROTECTIVE BOLLARDS SHALL BE INSTALLED WITHIN 2' OF ENCLOSURE. THE FRONT OF THE ENCLOSURE SHALL HAVE REMOVABLE BOLLARDS 2' IN FRONT OF ENCLOSURE AND 4' O.C.



MUSCO CONTROL CABINET INSTALLATION DETAIL

LOCATION	LTG	REC	MIS	BKR	#	ØA	ØB	ØC	#	BKR	MIS	REC	LTG	LOCATION
SITE LITES	12				20	1	1024							
SITE LITES	11				20	3	840							
SITE LITES	12				20	5		576						
SITE LITES	12				20	7	576							

CONNECTED VA: A: 1600 B: 840 C: 576 TOTAL: 3016
CONNECTED VA WLCL: A: 2000 B: 1050 C: 720
TOTAL AMPS: 3.62 HIGH Ø WLCL: 7.2

LOCATION	LTG	REC	MIS	BKR	#	ØA	ØB	ØC	#	BKR	MIS	REC	LTG	LOCATION
SOCCER ARENA 4 POLE 57	11				30	1	5958			2	30			SOCCER ARENA 3 POLE 55
SOCCER ARENA 4 POLE 56	11				30	7	5958			8	30			SOCCER ARENA 3 POLE 56
SOCCER ARENA 4 POLE 51-1	7				30	13	3792			14	30			SOCCER ARENA 3 POLE 57
SOCCER ARENA 4 POLE 51-2	6				30	18	3250			20	30			SOCCER ARENA 3 POLE 58
SOCCER ARENA 4 POLE 51-3	8				30	26	4333			28	30			SOCCER ARENA 3 POLE 59
SOCCER ARENA 4 POLE 51-4	9				30	31	4875			33	30			SOCCER ARENA 3 POLE 510
SOCCER ARENA 4 POLE 51-5	7				30	37	3792			38	30			FOOTBALL 2 POLE F5
FOOTBALL 1 POLE F1	6				30	43	3250			44	30			FOOTBALL 2 POLE F6
FOOTBALL 1 POLE F2	6				30	48	3250			50	30			FOOTBALL 2 POLE F7
FOOTBALL 1 POLE F3	6				30	56	3250			58	30			FOOTBALL 2 POLE F8
FOOTBALL 1 POLE F4	6				30	61	3250			62	20	1		MUSCO CONTROLS

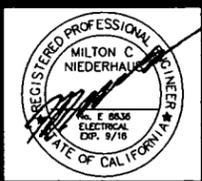
CONNECTED VA: A: 87869 B: 87149 C: 87149 TOTAL: 262167
CONNECTED VA WLCL: A: 109836 B: 48073 C: 48073
TOTAL AMPS: 315.3 HIGH Ø WLCL: 396.5

ALL MUSCO SPORTS LIGHTS CONTROLLED BY MUSCO INTEGRATED CONTROL SYSTEM.



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Revisions:

Sheet Info:

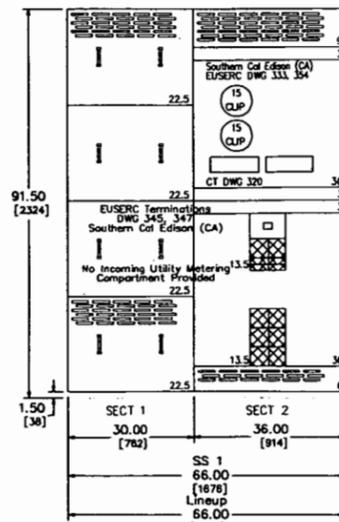
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Checked By: KPSR
Scale: NTS
Date: XX/XX/13
Job No.: CMP13/10252

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I-LINE, PANEL
SCHEDULE,
DETAIL

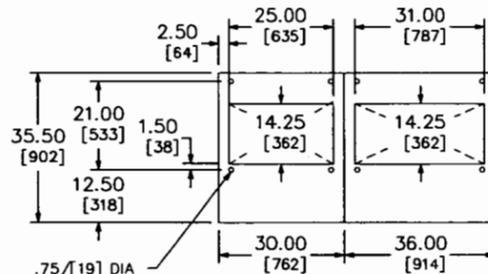
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Sheet: 6 of 8



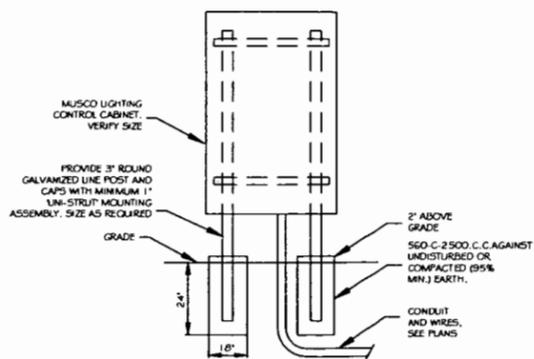
ELEVATION PLAN - FRONT



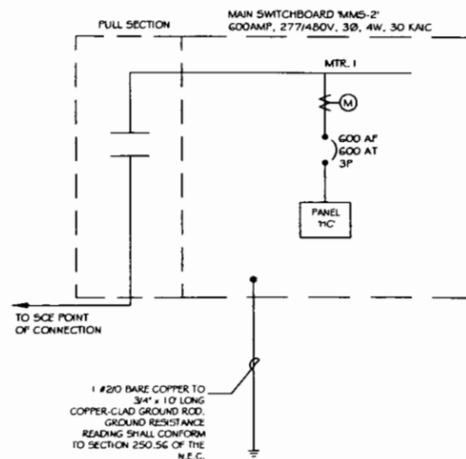
.75/[19] DIA
MTG HOLES OFFSET
3.00/[76] TYP
FROM SIDE

ELEVATION PLAN - FRONT

NOTE:
A MINIMUM OF 2.00/[51]
CLEARANCE BEHIND THE
SWITCHBOARD IS REQUIRED
FOR TOP COVER OVERHANG.

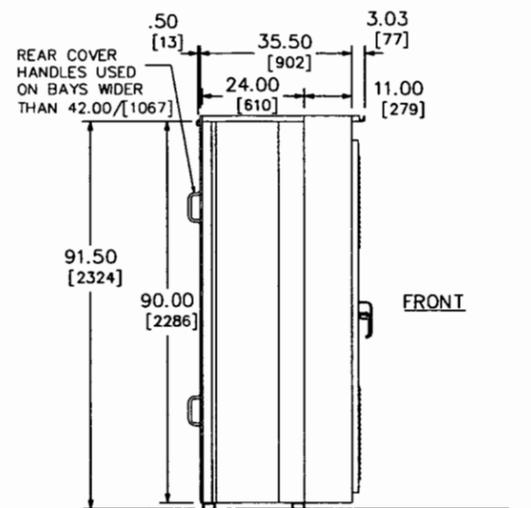


MUSCO CONTROL CABINET INSTALLATION DETAIL



LOAD SUMMARY

PANEL 'MC'-SPORTS LIGHTING	343,802 WATTS
343,802W@480V, 3Ø	413.5 AMPS

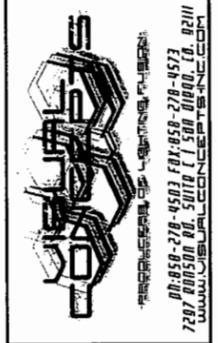


8" THICK ENCLOSURE PAD WITH 560-C-2500 P.C.C. STRENGTH CONCRETE AND #4 REBAR 12" O.C. LEAVE 4" ABOVE FINISHED GRADE. PAD DIMENSIONS SHALL BE SUCH THAT THERE SHALL BE 3" IN FRONT OF ENCLOSURE AND 18" CLEAR ON ALL OTHER SIDES. SHOULD THE ENCLOSURE BE WITHIN 5' OF A DRIVEWAY ON ANY SIDE, PERMANENT PROTECTIVE BOLLARDS SHALL BE INSTALLED WITHIN 2' OF ENCLOSURE. THE FRONT OF THE ENCLOSURE SHALL HAVE REMOVABLE BOLLARDS 2" IN FRONT OF ENCLOSURE AND 4" O.C.

LOCATION	VOLT: 277/480V 3Ø 4 W				BUS: 600A				MAIN: MLD	LOCATION		
	LTG	REC	MS	BKR	ØA	ØB	ØC	# BKR			MS	REC
BASEBALL 1 POLE A1	5		30	1	2708			2	30		Ø	SOCCER ARENA 2 POLE C3
				3	4333			4				
				5				6	3			
BASEBALL 1 POLE A2	5		30	7	2708			Ø	30		Ø	SOCCER ARENA 2 POLE S2
				9	4333			10				
				11				12	3			
BASEBALL 1 POLE B1	Ø		30	13	4333			14	30		Ø	SOCCER ARENA 2 POLE S3
				15	4333			16				
				17				18	3			
BASEBALL 1 POLE B2	6		30	19	3250			20	30		Ø	SOCCER ARENA 2 POLE S4
				21	4333			22				
				23				24	3			
BASEBALL 1 POLE C1	4		30	25	2167			26	30		4	BASEBALL 3 POLE P1
				27	2167			28				
				29				30	3			
BASEBALL 1 POLE C2	4		30	31	2167			32	30		4	BASEBALL 3 POLE P2
				33	2167			34				
				35				36	3			
BASEBALL 2 POLE A3	5		30	37	2708			38	30		10	BASEBALL 3 POLE P3
				39	5417			40				
				41				42	3			
BASEBALL 2 POLE A4	5		30	43	2708			44	30		10	BASEBALL 3 POLE P4
				45	5417			46				
				47				48	3			
BASEBALL 2 POLE B3	Ø		30	49	4333			50	30		Ø	BASEBALL 3 POLE P5
				51	4333			52				
				53				54	3			
BASEBALL 2 POLE B4	Ø		30	55	4333			56	30		Ø	BASEBALL 3 POLE P6
				57	4333			58				
				59				60	3			
BASEBALL 2 POLE C3	7		30	61	3792			62	30		3	BASEBALL 4 POLE P7
				63	1625			64				
				65				66	3			
BASEBALL 2 POLE C4	7		30	67	3792			68	30		3	BASEBALL 4 POLE P8
				69	1625			70				
				71				72	3			
BASEBALL 2 POLE P1	9		30	73	4875			74	30		9	BASEBALL 4 POLE P9
				75	4875			76				
				77				78	3			
BASEBALL 2 POLE S1	13		30	79	7042			80	30		9	BASEBALL 4 POLE P10
				81	4875			82				
				83				84	3			
BASEBALL 2 POLE S2	Ø		30	85	4333			86	30		5	BASEBALL 4 POLE P11
				87	2708			88				
				89				90	3			
MUSCO CONTROLS				91	720			92	30		5	BASEBALL 4 POLE P12
				93	2708			94				
				95				96	3			

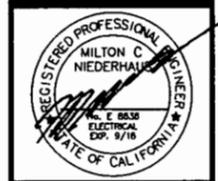
CONNECTED VA:	A: 115081	B: 114361	C: 114361	TOTAL: 343802
CONNECTED VA WLCL:	A: 143851	B: 142951	C: 142951	
TOTAL AMPS:	413.5			HIGH Ø WLCL: 519.3

ALL MUSCO SPORTS LIGHTS CONTROLLED BY MUSCO INTEGRATED CONTROL SYSTEM.



Project:
ARROYO VISTA PARK
MOORPARK, CA 93021

Client:
CITY OF MOORPARK
799 MOORPARK AVE.
MOORPARK, CA 93021



Revisions:

Sheet Info:
Drawn By: PJD
Checked By: KFSR
Scale: NTS
Date: 0000/13
Job No.: CMP13/10252

Sheet Title:
I-LINE, PANEL
SCHEDULE,
DETAIL

Sheet Reference:

EL-7
Sheet: 7 of 8

1/13/2015
E 0636

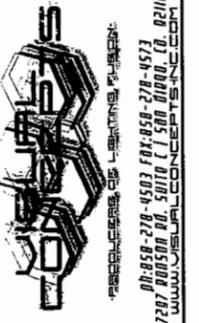
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1/13/2015
E 0636

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Sheet 5 or invalid reference

1/13/2015
E 0636

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Sheet 8 or invalid reference



Project:
ARROYO VISTA PARK
MOORPARK, CA 93021

Client:
CITY OF MOORPARK
799 MOORPARK AVE.
MOORPARK, CA 93021



Revisions:

Sheet Info:

Drawn By: PJD
Checked By: KFSR
Scale: NONE
Date: XX/XX/13
Job No.: CMP13/10252

Sheet Title:
TITLE 24 FORMS

Sheet Reference:

EL-8

Sheet: 8 of 8



CONSTRUCTION DOCUMENTS FOR

ARROYO VISTA REC CENTER PARKING LOT RENOVATION

4550 TIERRA REJADA ROAD
MOORPARK, CA 93021

PROJECT INFORMATION

CLIENT INFORMATION

**CITY OF MOORPARK
PARK AND REC DEPT
799 MOORPARK AVE
MOORPARK, CA 93021
CONTACT: J. LAURENTOWSKI 655.977.8885**

LANDSCAPE ARCHITECT

dlg: *designit*GREEN, LLC

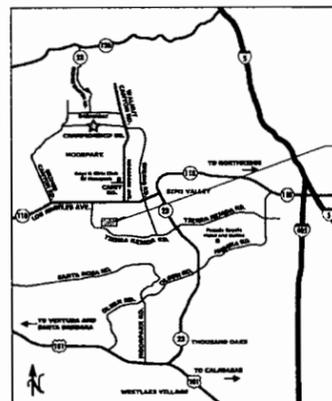
office | 1631 n venture ave 93001 mail | po box 1162 ventura california 93002-1162
805 364 2377-Central Coast
858 754 9101-SoCAL
775 298 1552-NorCAL
www.designitgreen.com

SHEET INDEX

PAGE NUMBER	SHEET NUMBER	PLAN NAME
01	LP1.00	COVER SHEET
02	LP1.01	IRRIGATION PLAN/SCHEDULE
03	LP1.02	IRRIGATION PLAN
04	LP1.03	IRRIGATION DETAILS
05	LP2.01	PLANTING PLAN/SCHEDULE
06	LP2.02	PLANTING PLAN
07	LP2.03	PLANTING DETAILS
08	LP3.01	IRRIGATION/PLANTING SPECIFICATIONS

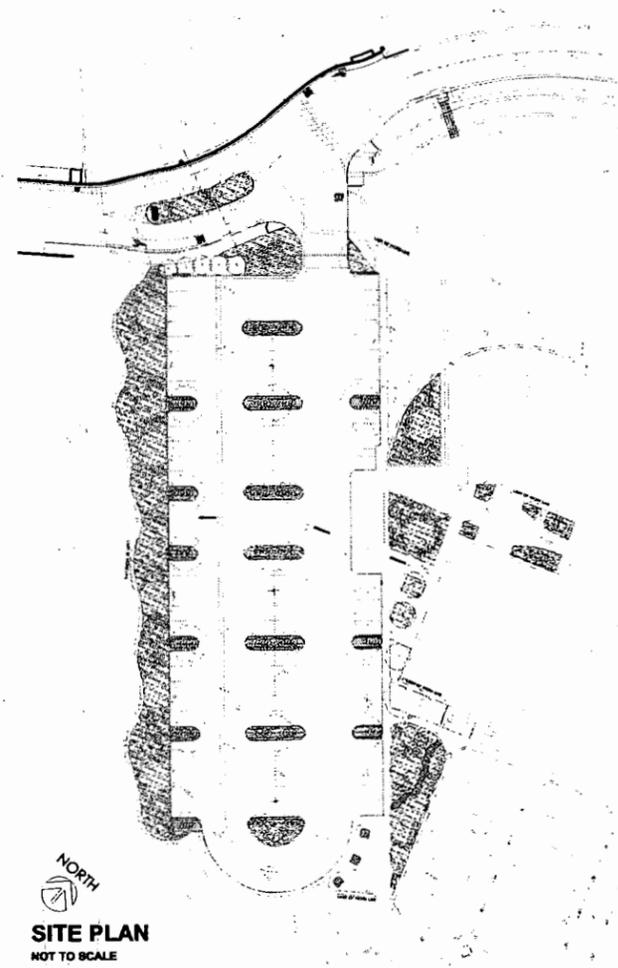
SUBMITAL #

DATE



PROJECT LOCATION
ARROYO VISTA PARK

VICINITY MAP
NOT TO SCALE



SITE PLAN
NOT TO SCALE

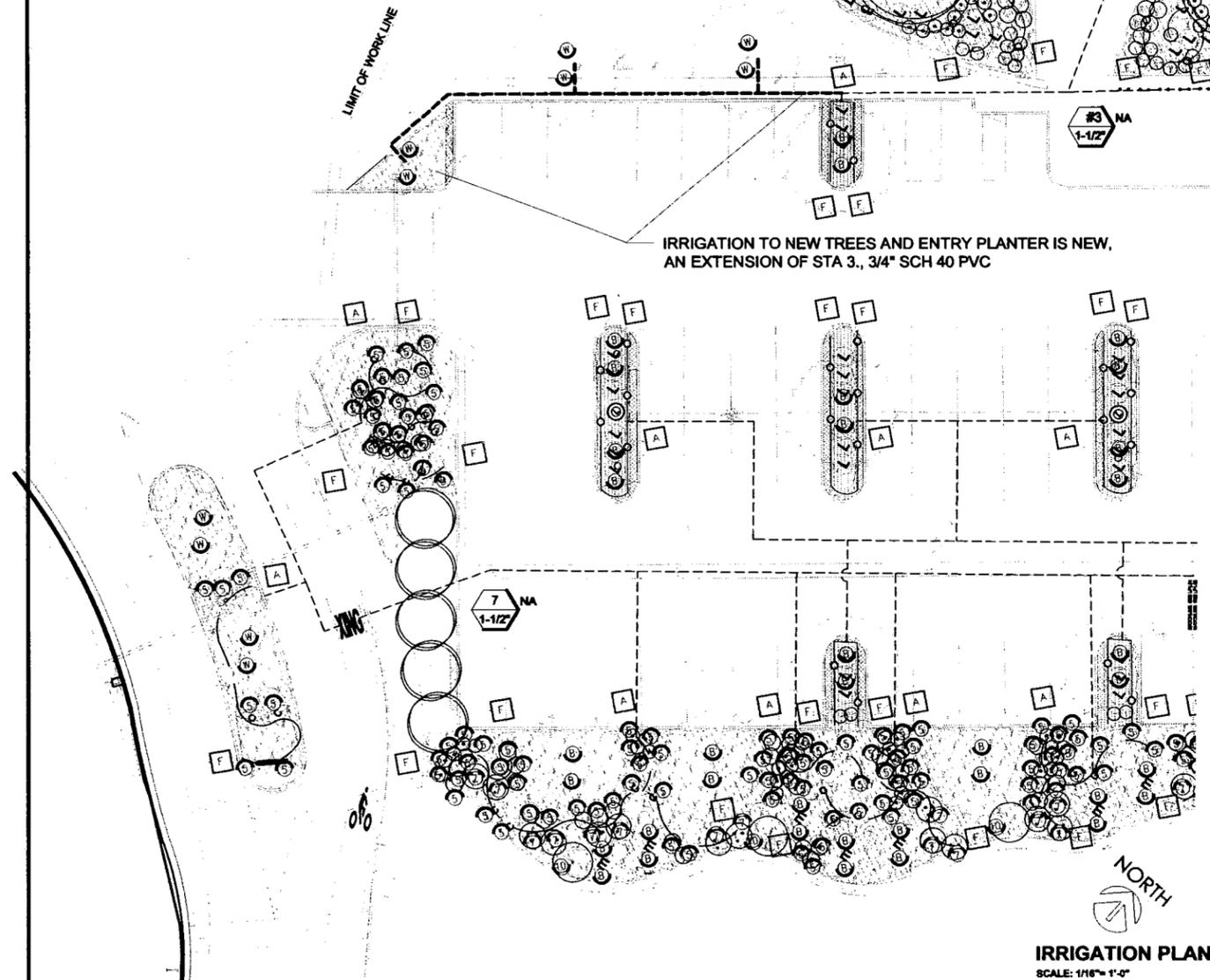
PROJECT DISCLOSURE

DIG DESIGNITGREEN LLC HEREBY CERTIFIES THAT THE DESIGN, DETAILS AND SPECIFICATIONS AS REPRESENTED HEREIN MEET PROFESSIONAL LANDSCAPE ARCHITECTURAL STANDARDS. DIG DESIGNITGREEN LLC CANNOT GUARANTEE THE QUALITY OF CONSTRUCTION, INSTALLATION OR MAINTENANCE OF IMPROVEMENTS AS DESIGNED AND/OR SPECIFIED HEREIN AND DISCLAIMS ANY FUTURE LIABILITY RESULTING FROM DEVIATIONS. DIG DESIGNITGREEN LLC IS NOT RESPONSIBLE FOR THE AMOUNT OR FREQUENCY OF IRRIGATION WATER APPLIED TO THE PROJECT DURING CONSTRUCTION OR THEREAFTER.



IRRIGATION NOTES

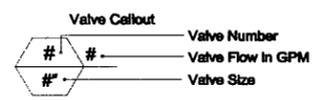
1. ALL MAIN LINE PIPING AND CONTROL WIRES UNDER PAVING SHALL BE IN SEPARATE SLEEVES. MAIN LINE SLEEVE SIZE SHALL BE A MINIMUM OF TWICE THE DIAMETER OF THE PIPE TO BE SLEAVED. CONTROL WIRE SLEEVES SHALL BE OF SUFFICIENT SIZE FOR THE REQUIRED NUMBER OF WIRES UNDER PAVING.
2. BURY ALL LATERAL LINES 12" DEEP, AND ALL MAIN LINES 18" DEEP.
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4. INSTALL ALL BACKFLOW PREVENTION DEVICES AND ALL PIPING BETWEEN THE POINT OF CONNECTION AND THE BACKFLOW PREVENTER AS PER LOCAL CODES.
5. ANY CHANGE TO FINAL LOCATION OF THE BACKFLOW PREVENTER AND AUTOMATIC CONTROLLER SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT.
6. 120 VAC ELECTRICAL POWER SOURCE AT CONTROLLER LOCATION SHALL BE PROVIDED BY OTHERS. THE IRRIGATION CONTRACTOR SHALL MAKE THE FINAL CONNECTION FROM THE ELECTRICAL SOURCE TO THE CONTROLLER.
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IRRIGATION PLAN
SCALE: 1/16" = 1'-0"

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	ARC	BARBS	L/MIN	GPH	DETAIL
(W)	Rain Bird RWS ROOT WATERING SYSTEM RWS-B-1401 Tree bubbler 2 per tree, GRAVEL FILLED	NA	NA	NA	ADJ	A
(D)	Rain Bird XERI BUBBLER UXB-360-SPYK, Tree bubbler 2 per tree	NA	NA	NA	ADJ	A
(S)	Rain Bird Point-Source Emitters PC-05 BARB	NA	NA	NA	5	A
(7)	Rain Bird Point-Source Emitters PC-07 BARB	NA	NA	NA	7	A
(10)	Rain Bird Point-Source Emitters PC-10 BARB	NA	NA	NA	10	A
(A)	Rain Bird BARB TEE FEMALE ADAPTER XFD-TFA-075	NA	NA	NA	3/4"	A
(F)	Rain Bird Removable Flush Cap MDCFCAP	NA	NA	NA	NA	A
(E)	Rain Bird PEB, Size as Shown Electric Remote Control Valve					E
(F)	Rain Bird 33DRC 19.05 mm Quick Coupler Valve, two piece body					F
(B)	Nibco T-113 Class 125 bronze gate shut off valve with wheel handle, same size as pipe diameter					B
(NA)	Mainline Point of Connection, 50.8 mm					NA
(C)	RAINBIRD On-surface Dripline tubing					C
(C,H)	RAINBIRD XFS Subsurface Dripline XFS-B-06-12-500					C,H
(C,H)	Pipe Sleeve: PVC Class 200 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 457.2 mm beyond edges of paving or construction.					C,H
(G)	Hunter ACC Irrigation Controller, 12 Station Wall Mount Controller, Size As Shown, Install On Building Wall Shown On Drawings. Verify Actual Wall Location With Owner's Representative Before Installing Unit.					G
(N/A)	120 Volt Electrical Power, Provided By Electrician, Verify Actual Location In Field					N/A
(N/A)	Irrigation 'Common' Wire #14UF AWG Direct Burial (U.L. Approved)					N/A
(N/A)	Irrigation 'Control' Wire #14UF AWG Direct Burial (U.L. Approved)					N/A
(H)	Wire Splice/Connector Shall Be Connector King, Model SA101 Or Model SA102. Direct Bury Splice Kit SA 101 Shall Be Used To Electrically Connect 2 #14 And/Or 1 #18 Pre-Stripped Copper Wires.					H



SYSTEM IS BASED ON USE OF EXISTING MAINLINE, VALVES, CONTROLLER. ZONES SHOULD BE PRESSURE TESTED AND CONFIRMED TO HAVE A MIN 45 PSI BEFORE USE.

- ALL EXISTING IRRIGATION SHOULD BE FIELD CONFIRMED: CONTROLLER, VALVES, HEAD LOCATIONS TO CONFIRM SUITABILITY FOR RETROFITTING TO DRIP SYSTEM. STATIONS SHOULD BE COORDINATED AS FOLLOWS:
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 - STATION #8: GROUND COVER/SHRUBS IN PARKING PLANTERS- SUBSURFACE INLINE DRIP LINES, UNLESS NOTED OTHERWISE
 - STATION #7: SOUTHERLY PERIMTER TREES- BUBBLERS
 - STATION #7: SOUTHERLY PERIMETER SHRUBS- POINT-SOURCE PRESSURE COMPENSATING DRIP EMITTERS
 - STATION #15: TENNIS COURT TREES TREE WELLS- ROOT-WATERING, BUBBLER STATION
 - STATION #1: TENNIS COURT TREES- SUBSURFACE INLINE DRIP LINES
 - STATION #3: ENTRY STREET CENTER PLANTER TREES- ROOT-WATERING, BUBBLER STATION
 - STATION #9: ENTRY STREET CENTER PLANTER- POINT-SOURCE PRESSURE COMPENSATING DRIP EMITTERS



PROJECT INFORMATION



**ARROYO VISTA REC
CENTER PARKING LOT
4550 TIERRA REJADA ROAD
MOORPARK, CA 93021**

**CITY OF MOORPARK
PARK AND RECREATION DEPT**

digdesignGREEN, LLC
4610 1931 - Moorpark, CA 93021
800 364 2377 - Central Coast
805 724 8101 - San Joaquin
775 288 1353 - Nevada
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REVISION/SUBMITTAL DATE

digdesignGREEN PROJECT NUMBER
15.301.03

DATE
JUNE 1, 2015

SET NAME
CONSTRUCTION DOCUMENTS
SHEET TITLE
IRRIGATION PLAN/SCHEDULE

SHEET NO.
LP1.01



IRRIGATION NOTES

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PROJECT INFORMATION



**ARROYO VISTA REC
CENTER PARKING LOT
4550 TIERRA REJADA ROAD
MOORPARK, CA 93021**

CLIENT INFORMATION
CITY OF MOORPARK
PARK AND REC DEPT
780 MOORPARK AVE.
MOORPARK, CA 93021
CONTACT: J. LAURENTOWSKI 805.517.4305

dig design GREEN, LLC
1000 S. 10TH ST. SUITE 100
SAN JOSE, CA 95128
TEL: 408.944.4444
WWW.DIGDESIGNGREEN.COM



REVISIONS/SUBMITTAL DATE

dig design GREEN PROJECT NUMBER
15.301.03

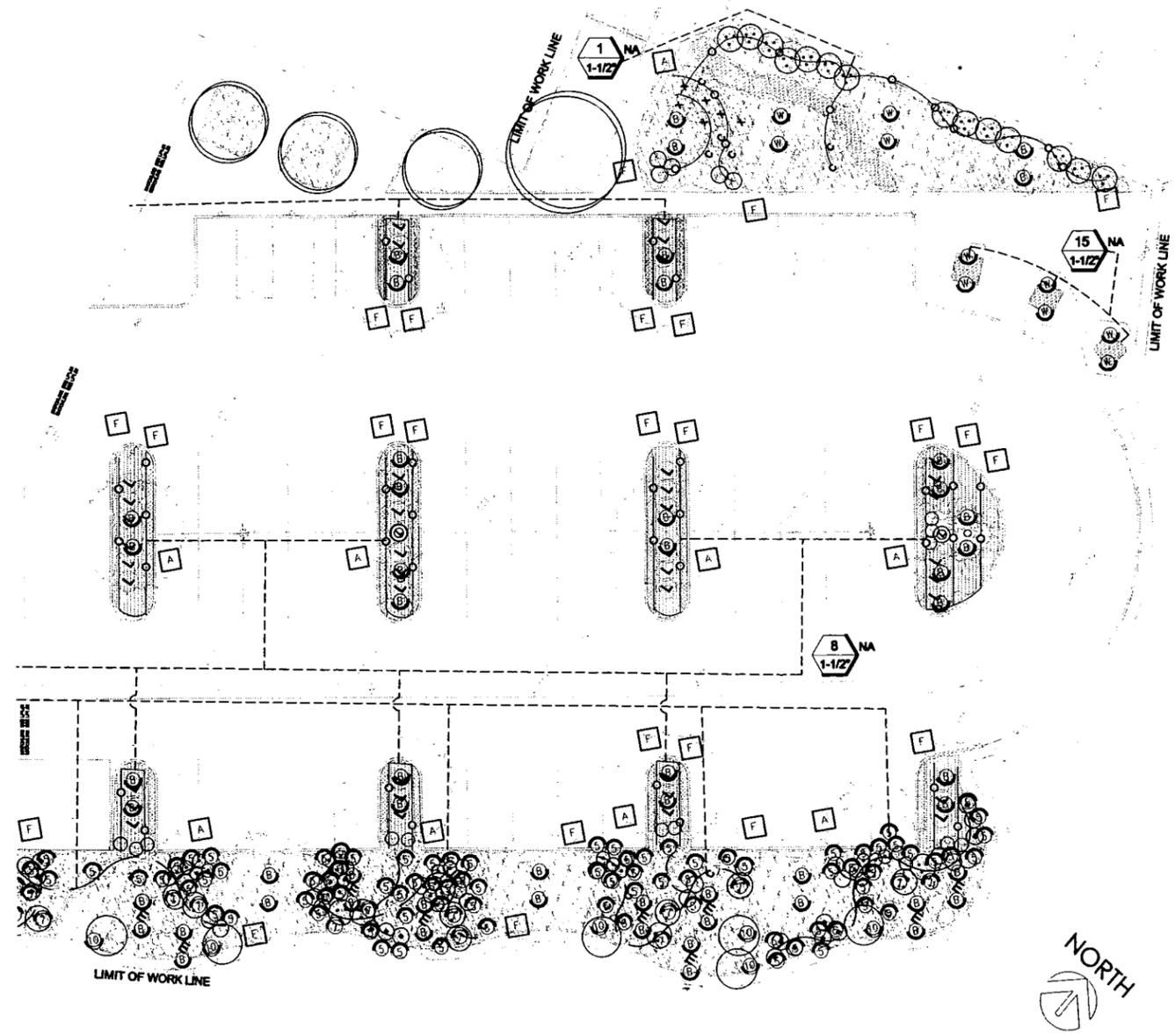
DATE
JUNE 1, 2015

SET NAME
CONSTRUCTION DOCUMENTS

SHEET TITLE
IRRIGATION PLAN

SHEET NO.

811
LP1.02



IRRIGATION PLAN
SCALE: 1/16" = 1'-0"

SYSTEM IS BASED ON USE OF EXISTING MAINLINE, VALVES, CONTROLLER. ZONES SHOULD BE PRESSURE TESTED AND CONFIRMED TO HAVE A MIN 45 PSI BEFORE USE.

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- STATION #9: ENTRY STREET CENTER PLANTER- POINT-SOURCE PRESSURE COMPENSATING DRIP EMITTERS





LANDSCAPE ARCHITECT
PROJECT INFORMATION



**ARROYO VISTA REC
CENTER PARKING LOT
4550 TIERRA REJADA ROAD
MOORPARK, CA 93021**

CLIENT INFORMATION
CITY OF MOORPARK
PARK AND REC DEPT
798 MOORPARK AVE
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CONTACT: J. LAURENTO@COPRIS.ORG

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4550 Tierras Rejadas Road, Moorpark, CA 93021
773 288 1882
www.digdesigngreen.com

REVISION	SUBMITTAL	DATE

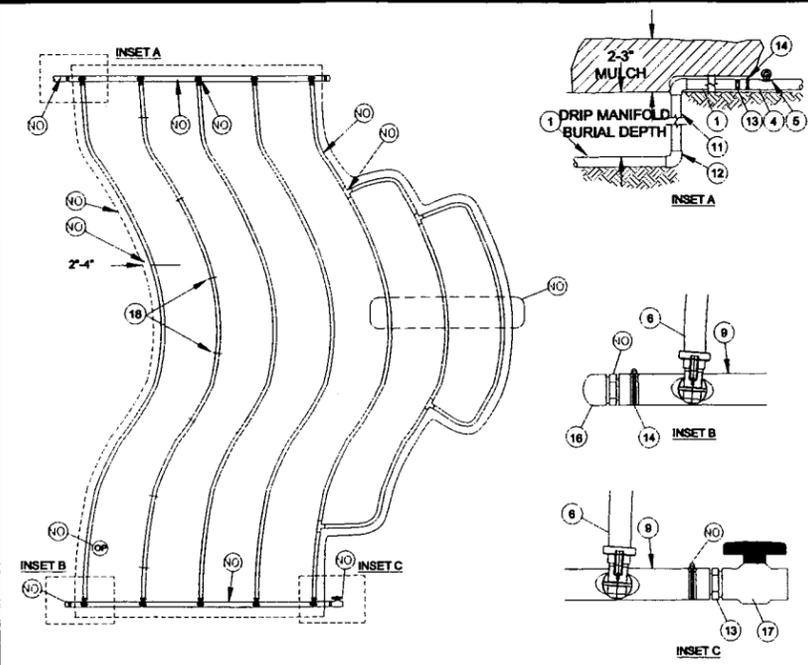
PROJECT NUMBER
18.301.03

DATE
JUNE 1, 2018

SET NAME
CONSTRUCTION DOCUMENTS

SHEET TITLE
PLANTING PLAN

SHEET NO.
LP1.03

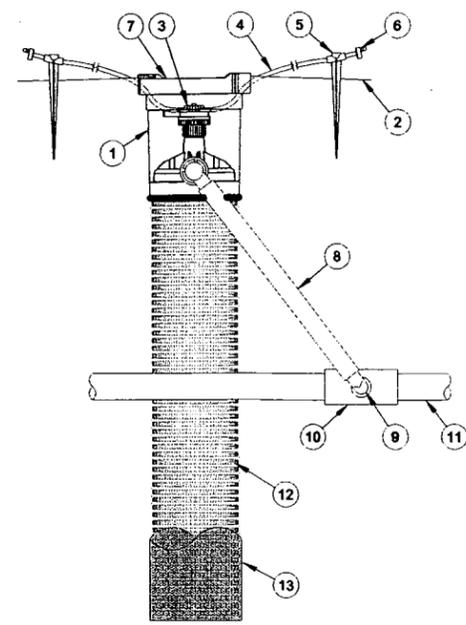


- PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND) PERIMETER OF AREA
- PERIMETER DRIPLINE PIPE TO BE INSTALLED 2'-4" FROM PERIMETER OF AREA QF-SUPPLY HEADER
- PRE-INSTALLED BARB FITTING
- RAIN BIRD XFD SERIES DRIPLINE (TYPICAL)
- BARB X BARB INSERT TEE: RAIN BIRD XFF-TEE (TYPICAL)
- TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT EXCEED LENGTH SHOWN IN TABLE QF-FLUSH HEADER
- FLUSH POINT WITH PVC CAP OR OPTIONAL PVC BALL VALVE
- PVC RISER PIPE
- PVC SCH 40 ELL (TYPICAL)
- MALE ADAPTER INSERT
- STAINLESS STEEL, DETIKER OR MURRAY CLAMP
- OPERATION INDICATOR RAIN BIRD MODEL: OPERIND
- PVC SCH 40 CAP
- PVC SCH 40 BALL VALVE
- XF SERIES TIE-DOWN STAKES (TDS-050) REFER TO RAIN BIRD DRIPLINE DESIGN GUIDE FOR PROPER SPACING

NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
3. PLACE TIE-DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
4. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (gph)					
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514

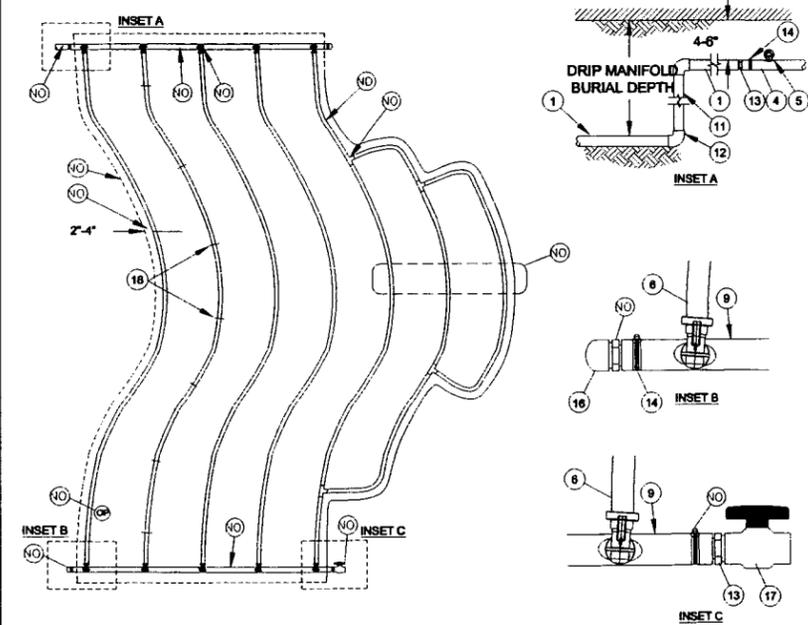
B XFD On-Surface Dripline Curved Edge Layout QF



- ROOT WATERING SYSTEM: RAIN BIRD RWS (INCLUDES RETAINER, 36" (91.4 CM) OR 18" (45.7 CM) TUBE, 4" (10.2 CM) GRATE, VERSATILE SWING ASSEMBLY WITH 1/2" (1.3 CM) M NPT INLET)
- FINISH GRADE/TOP OF MULCH
- RAIN BIRD 6-OUTLET DRIP MANIFOLD (EMT-6XERI)
- RAIN BIRD 1/4" (0.6 CM) DISTRIBUTION TUBING
- RAIN BIRD 1/4" (0.6 CM) UNIVERSAL TUBING STAKE
- RAIN BIRD XERI-BUG BARB X BARB EMITTER
- 4" (10.2 CM) LOCKING GRATE (INCLUDED)
- 12" (30.5 CM) SWING ASSEMBLY (INCLUDED)
- 1/2" (1.3 CM) MALE NPT INLET (INCLUDED)
- PVC SCH 40 TEE OR EL
- PVC OR POLYETHYLENE LATERAL PIPE
- RIGID BASKET WEAVE CANISTER (INCLUDED)
- OPTIONAL SOCK (RWS-SOCK) FOR SANDY SOILS

NOTES:
1. 4" (10.2 CM) GRATE IS ALSO AVAILABLE IN PURPLE (RWS-GRATE-P).
2. INSTALL PRODUCT SO THAT THE GRATE IS EVEN WITH FINISH GRADE OR TOP OF MULCH.
3. OPTIONAL SAND SOCK (RWS-SOCK) IS 34" (86.4 CM) IN LENGTH TO COVER MESH BASKET AREA.
4. WHEN INSTALLING IN EXTREMELY HARD OR CLAY SOILS, ADD 3/4" (1.9 CM) GRAVEL UNDER AND AROUND THE UNIT TO ALLOW FASTER WATER INFILTRATION AND ROOT PENETRATION.
5. ONCE RWS HAS BEEN INSTALLED FILL THE BASKET WITH PEA GRAVEL BEFORE LOCKING LID.

C ROOT WATERING SYSTEM

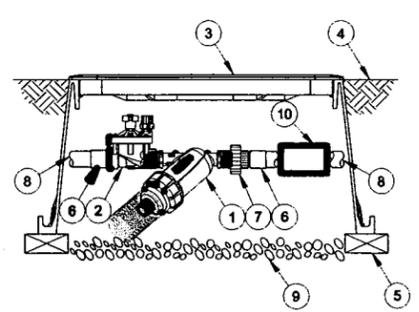


- PVC SUPPLY PIPE FROM RAIN BIRD CONTROL ZONE KIT (SIZED TO MEET LATERAL FLOW DEMAND) PERIMETER OF AREA
- PERIMETER DRIPLINE PIPE TO BE INSTALLED 2'-4" FROM PERIMETER OF AREA QF-SUPPLY HEADER
- PRE-INSTALLED BARB FITTING
- RAIN BIRD XFS SERIES DRIPLINE (TYPICAL)
- BARB X BARB INSERT TEE: RAIN BIRD XFF-TEE (TYPICAL)
- TOTAL LENGTH OF SELECTED DRIPLINE SHOULD NOT EXCEED LENGTH SHOWN IN TABLE QF-FLUSH HEADER
- FLUSH POINT WITH PVC CAP OR OPTIONAL PVC BALL VALVE
- PVC RISER PIPE
- PVC SCH 40 ELL (TYPICAL)
- MALE ADAPTER INSERT
- STAINLESS STEEL, DETIKER OR MURRAY CLAMP
- OPERATION INDICATOR RAIN BIRD MODEL: OPERIND
- PVC SCH 40 CAP
- PVC SCH 40 BALL VALVE
- XF SERIES TIE-DOWN STAKES (TDS-050) REFER TO RAIN BIRD DRIPLINE DESIGN GUIDE FOR PROPER SPACING

NOTES:
1. DISTANCE BETWEEN LATERAL ROWS AND EMITTER SPACING TO BE BASED ON SOIL TYPE, PLANT MATERIALS AND CHANGES IN ELEVATION. SEE INSTALLATION SPECIFICATIONS ON RAIN BIRD WEB SITE (WWW.RAINBIRD.COM) FOR SUGGESTED SPACING.
2. LENGTH OF LONGEST DRIPLINE LATERAL SHOULD NOT EXCEED THE MAXIMUM SPACING SHOWN IN THE ACCOMPANYING TABLE.
3. PLACE TIE-DOWN STAKES EVERY THREE FEET IN SAND, FOUR FEET IN LOAM, AND FIVE FEET IN CLAY.
4. AT FITTINGS WHERE THERE IS A CHANGE OF DIRECTION SUCH AS TEES OR ELBOWS, USE TIE-DOWN STAKES ON EACH LEG OF THE CHANGE OF DIRECTION.

Inlet Pressure psi	12" Spacing		18" Spacing		24" Spacing	
	Nominal Flow (gph)					
15	273	155	314	250	424	322
20	318	169	353	294	508	368
30	360	230	413	350	586	414
40	395	255	465	402	652	474
50	417	285	528	420	720	488
60	460	290	596	455	780	514

A XFS SUB-SURFACE DRIPLINE



- 1" RAIN BIRD LARGE CAPACITY FILTER WITH SCREEN: LCRBY100S
- 1" RAIN BIRD REMOTE CONTROL VALVE
- VALVE BOX WITH COVER: RAIN BIRD VB-JMB
- FINISH GRADE/TOP OF MULCH
- BRICK (1 OF 4)
- PVC SCH 40 MALE ADAPTER
- PVC SCH 40 THREADED UNION
- PVC LATERAL PIPE
- 3" MINIMUM DEPTH OF 3/4" WASHED GRAVEL
- INLINE PRESSURE REGULATOR

NOTE:
1. FILTER ASSEMBLY TO BE INSTALLED WITH SCREEN DIRECTION FACING A 45° DOWNWARD ANGLE WITH ENOUGH SPACE TO REMOVE SCREEN FOR MAINTENANCE. SOME APPLICATIONS MAY REQUIRE RAIN BIRD VALVE BOX EXTENSIONS TO ACHIEVE ACCEPTABLE SCREEN CLEARANCE.

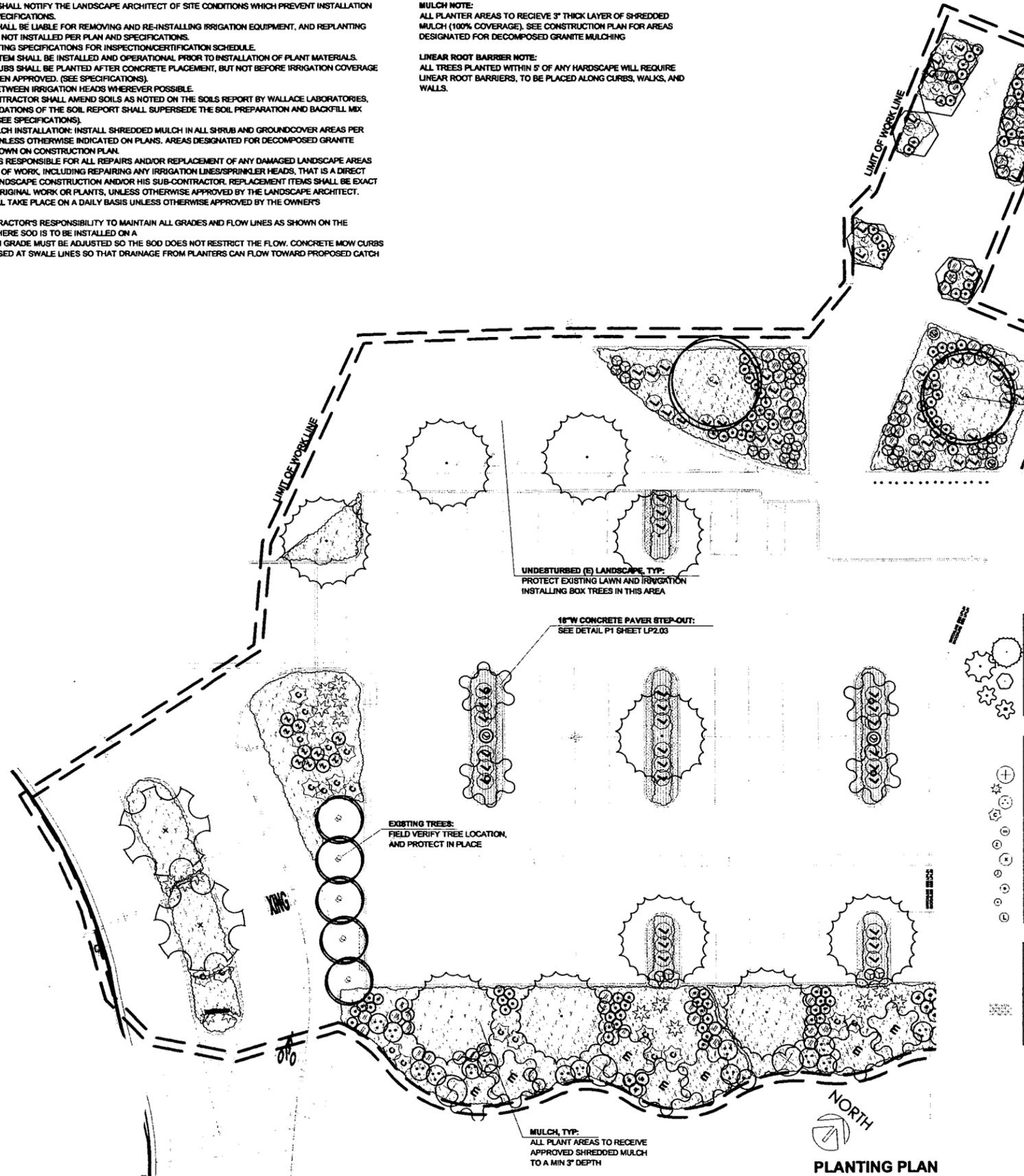
D 1" LARGE CAPACITY FILTER WITH VALVE

PLANTING NOTES

- SHRUB LAYOUT AS SHOWN ON PLAN INDICATES "SHRUB MASSES." QUANTITIES ARE AS SHOWN ON PLAN, ON-CENTER SPACING AS SHOWN ON LEGEND. CONTRACTOR TO VERIFY QUANTITIES BASED ON SPACING AND ADD ADDITIONAL PLANT MATERIAL (AT NO ADDITIONAL COST TO THE OWNER) REQUIRED TO MAINTAIN INTENT DUE TO EXISTING SITE CONDITIONS NOT ANTICIPATED DURING DESIGN. LAYOUT/SPACING WILL EITHER BE TRIANGULAR OR LINEAR AS SHOWN ON PLAN OR LEGEND. LANDSCAPE ARCHITECT TO APPROVE FINAL LAYOUT IN FIELD PRIOR TO INSTALLATION.
- CONTRACTORS SHALL NOTIFY THE LANDSCAPE ARCHITECT OF SITE CONDITIONS WHICH PREVENT INSTALLATION PER PLANS AND SPECIFICATIONS.
- CONTRACTOR SHALL BE LIABLE FOR REMOVING AND RE-INSTALLING IRRIGATION EQUIPMENT, AND REPLANTING AREAS WHICH ARE NOT INSTALLED PER PLAN AND SPECIFICATIONS.
- REFER TO PLANTING SPECIFICATIONS FOR INSPECTION/CERTIFICATION SCHEDULE.
- IRRIGATION SYSTEM SHALL BE INSTALLED AND OPERATIONAL PRIOR TO INSTALLATION OF PLANT MATERIALS.
- TREES AND SHRUBS SHALL BE PLANTED AFTER CONCRETE PLACEMENT, BUT NOT BEFORE IRRIGATION COVERAGE TEST NO. 1 HAS BEEN APPROVED. (SEE SPECIFICATIONS).
- PLACE TREES BETWEEN IRRIGATION HEADS WHEREVER POSSIBLE.
- LANDSCAPE CONTRACTOR SHALL AMEND SOILS AS NOTED ON THE SOILS REPORT BY WALLACE LABORATORIES.
- THE RECOMMENDATIONS OF THE SOIL REPORT SHALL SUPERSEDE THE SOIL PREPARATION AND BACKFILL MIX SPECIFICATIONS (SEE SPECIFICATIONS).
- SHREDDED MULCH INSTALLATION: INSTALL SHREDDED MULCH IN ALL SHRUB AND GROUND COVER AREAS PER SPECIFICATIONS UNLESS OTHERWISE INDICATED ON PLANS. AREAS DESIGNATED FOR DECOMPOSED GRANITE MULCHING ARE SHOWN ON CONSTRUCTION PLAN.
- CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND/OR REPLACEMENT OF ANY DAMAGED LANDSCAPE AREAS BEYOND THE LIMIT OF WORK, INCLUDING REPAIRING ANY IRRIGATION LINES/SPRINKLER HEADS, THAT IS A DIRECT RESULT OF THE LANDSCAPE CONSTRUCTION AND/OR HIS SUB-CONTRACTOR. REPLACEMENT ITEMS SHALL BE EXACT DUPLICATION OF ORIGINAL WORK OR PLANTS, UNLESS OTHERWISE APPROVED BY THE LANDSCAPE ARCHITECT.
- CLEAN-UP SHALL TAKE PLACE ON A DAILY BASIS UNLESS OTHERWISE APPROVED BY THE OWNER'S REPRESENTATIVE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL GRADES AND FLOW LINES AS SHOWN ON THE GRADING PLAN. WHERE SOO IS TO BE INSTALLED ON A SWALE, THE FINISH GRADE MUST BE ADJUSTED SO THE SOO DOES NOT RESTRICT THE FLOW. CONCRETE MOW CURBS SHALL BE DEPRESSED AT SWALE LINES SO THAT DRAINAGE FROM PLANTERS CAN FLOW TOWARD PROPOSED CATCH BASINS.

PLANTING NOTES

- PLANT SUBSTITUTION NOTE:**
IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCURE ALL PLANT MATERIAL SHOWN IN THE PLANTING LEGEND. NO SUBSTITUTIONS WILL BE ACCEPTED WITHOUT WRITTEN AUTHORIZATION FROM THE LANDSCAPE ARCHITECT AND CITY REPRESENTATIVE.
- MULCH NOTE:**
ALL PLANTER AREAS TO RECEIVE 3" THICK LAYER OF SHREDDED MULCH (100% COVERAGE). SEE CONSTRUCTION PLAN FOR AREAS DESIGNATED FOR DECOMPOSED GRANITE MULCHING.
- LINEAR ROOT BARRIER NOTE:**
ALL TREES PLANTED WITHIN 5' OF ANY HARDSCAPE WILL REQUIRE LINEAR ROOT BARRIERS, TO BE PLACED ALONG CURBS, WALKS, AND WALLS.



PLANTING LEGEND

TREES					
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION
21	PLA RAC	PLATANUS RACEMOSA 'BLOODGOOD'	CALIFORNIA SYCAMORE	24" BOX	MAIN STRUCTURE INTACT
4	QUE LOB	QUERCUS LOBATA	VALLEY OAK	38" BOX	MAIN STRUCTURE INTACT
6	LAG IND	LAGERSTROEMIA L 'CHEROKEE'	CHEROKEE CRAPE MYRTLE	24" BOX	STANDARD
9	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	24" BOX	STANDARD
16	CER MUL	CERCIS OCCIDENTALIS 'MULT'	WESTERN REDBUD	24" BOX	MULTI TRUNK

SHRUBS					
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION
9	LEP DAR	RHAMNUS CALIFORNICA 'Eve case'	Coffeeberry	18 GAL	
30	HES YUC	HESPEROYUCCA whipplei esp. eremica	Baja Yucca	2 GAL	
41	FRE CAL	FREMONTODENRON 'California Glory'	Flannel Bush	18 GAL	
35	CAR CAL	CARPENTERIA c. 'Elizabeth'	Elizabeth Bush Anemone	36 GAL	
61	LES SIL	LESSINGIA l. 'Silver Carpet'	Silver Carpet Beach Aster	1 GAL	
10	ROM OOU	ROMNEYA COULTERI	Matija Poppy	1 GAL	
6	VER LIL	VERBENA l. 'De La Mina'	Centros Island Verbena	1 GAL	
52	MIM JEL	MIMULUS 'Jelly Bean White'	Pencoff Hybrid White Monkeyflower	1 GAL	
21	SAL GRE	SALVIA g. 'Furman's Red'	Texas Sage	1 GAL	
124	CHO ELE	CHONDROPETALUM ELEPHANTINUM	Large Cape Rush	6 GAL	
113	SAL CLE	SALVIA c. 'Wirefired Gilmer'	Dark Blue Salvia	1 GAL	

GROUND COVERS					
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION
X	DYM MAR	DYMONDIA MARGARETAE	SILVER CARPET	LINEAR	18" OC, ONLY IN PLANTERS
X	MULCH	ENTIRE PLANTER AREAS	TO BE APPROVED BY PARK AND REC		MIN 3" DEPTH
	DG	DECOMPOSED GRANITE	TO BE APPROVED BY PARK AND REC		MIN 4" DEPTH



PROJECT INFORMATION



**ARROYO VISTA REC
CENTER PARKING LOT
4550 TIERRA REJADA ROAD
MOORPARK, CA 93021**

**CITY OF MOORPARK
PARK AND REC DEPT**

dig:designGREEN,LLC
1801 A...
808 364 2377 - Central Coast
808 754 8101 - SoCal
775 298 1538 - Bay Area
www.dig:designGREEN.com



REVISION/SUBMITTAL DATE

dig:designGREEN PROJECT NUMBER
15.301.03

DATE
JUNE 11, 2015

SET NAME
CONSTRUCTION DOCUMENTS
SHEET TITLE
PLANTING PLAN SCHEDULE

SHEET NO.
LP2.01





LANDSCAPE ARCHITECT

PROJECT INFORMATION



**ARROYO VISTA REC
CENTER PARKING LOT
4550 TIERRA REJADA ROAD
MOORPARK, CA 93021**

CLIENT INFORMATION

CITY OF MOORPARK
PARK AND REC DEPT
799 MOORPARK AVE
MOORPARK, CA 93021
CONTACT: J. LAURENTO 805.517.8385

dig design GREEN, LLC

1001 W. 10th Street, Moorpark, CA 93021
805.517.8385
805.784.9191
770.888.9888
www.digdesigngreen.com

KEY PLAN REFERENCE MAP



REVISION/SUBMITTAL DATE

dig design GREEN PROJECT NUMBER

18.301.03

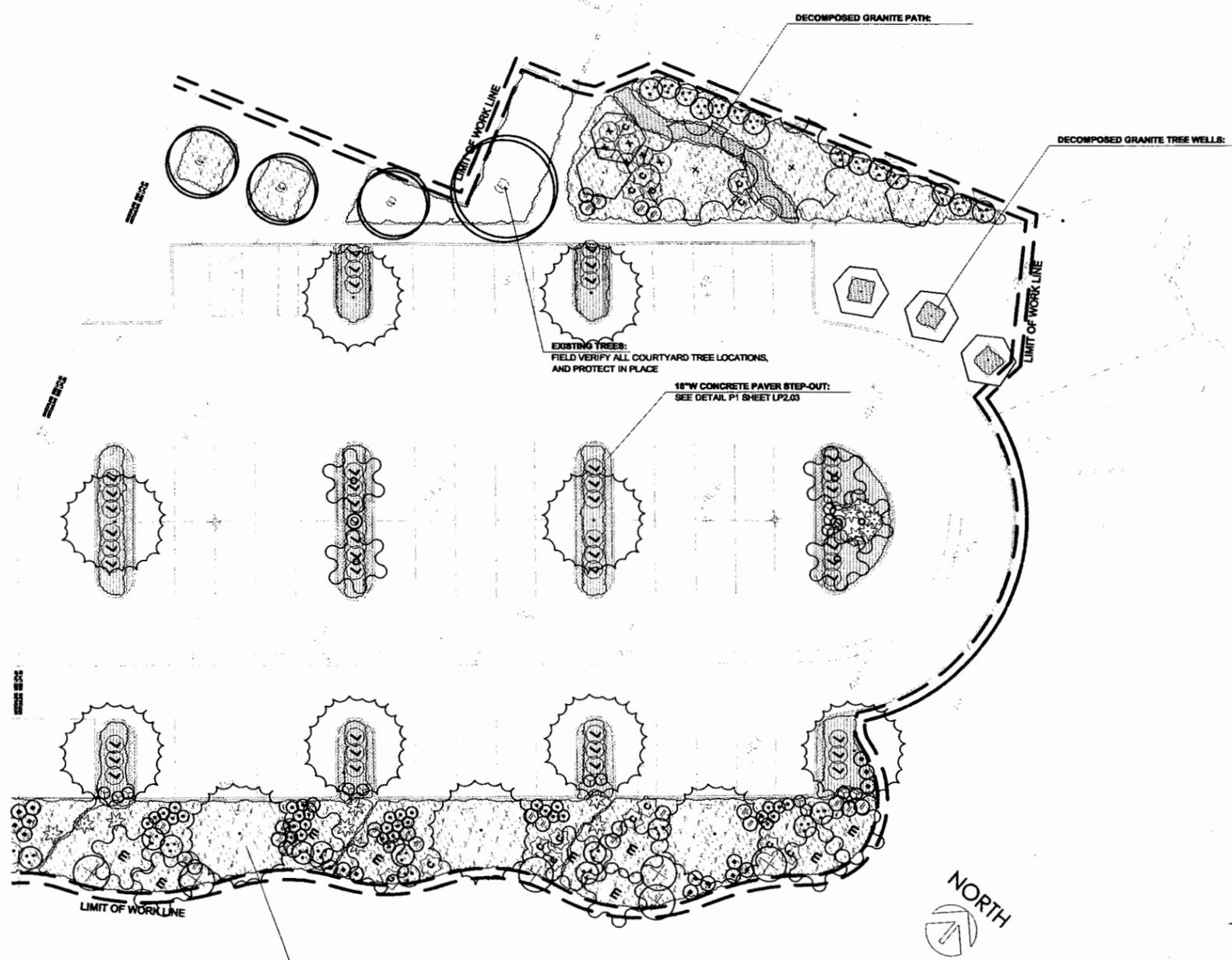
DATE
JUNE 11, 2015

CONSTRUCTION DOCUMENTS

SHEET TITLE
PLANTING PLAN

SHEET NO.

SHEET NO.
LP2.02



PLANTING LEGEND

TREES					
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION
21	PLA RAC	PLATANUS RACEMOSA 'BLOODGOOD'	CALIFORNIA SYCAMORE	24" BOX	MAIN STRUCTURE INTACT
4	QUE LOB	QUERCUS LOBATA	VALLEY OAK	36" BOX	MAIN STRUCTURE INTACT
6	LAG IND	LAGERSTROEMIA L 'CHEROKEE'	CHEROKEE CRAPE MYRTLE	24" BOX	STANDARD
9	CER OCC	CERCIS OCCIDENTALIS	WESTERN REDBUD	24" BOX	STANDARD
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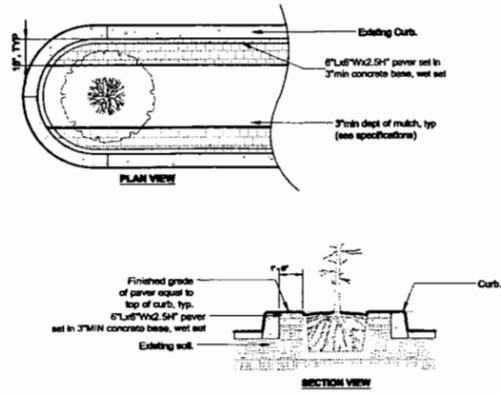
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35	CAR CAL	CARPENTERIA c. 'Elizabeth'	Elizabeth Bush Anemone	25 GAL	
81	LES SA	LESSINGIA L 'Silver Carpet'	Silver Carpet Beach Aster	1 GAL	
10	ROM COU	ROMNEYA COULTERI	Madia Poppy	1 GAL	
6	VER LI	VERBENA L 'De La Mina'	Cedros Island Verbena	1 GAL	
52	MM JEL	MIKULUS 'Jelly Bean White'	Peroff Hybrid White Monkeyflower	1 GAL	
21	SAL GRE	SALVIA g. 'Furman's Red'	Texas Sage	1 GAL	
124	CHO ELE	CHONDROPETALUM ELEPHANTINUM	Large Cape Rush	8 GAL	
113	SAL CLE	SALVIA c. 'Wynnefred Gilman'	Dark Blue Salvia	1 GAL	

GROUND COVERS					
QTY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	DESCRIPTION
X	DYM MAR	DYMONEDIA MARGARETAE	SILVER CARPET	LINEPS	18" CG, ONLY IN PLANTERS
X	MULCH	ENTIRE PLANTER AREAS	TO BE APPROVED BY PARK AND REC		MIN 3" DEPTH
	DG	DECOMPOSED GRANITE	TO BE APPROVED BY PARK AND REC		MIN 4" DEPTH

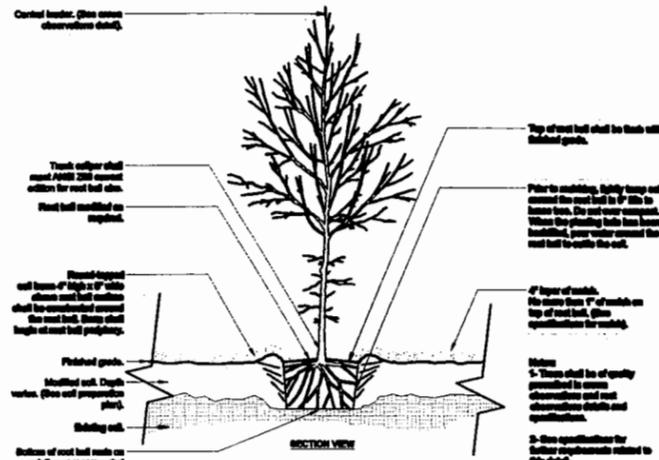
PLANTING PLAN
SCALE: 1/16" = 1'-0"

MULCH, TYP:
ALL PLANT AREAS TO RECEIVE
APPROVED SHREDDED MULCH
TO A MIN 3" DEPTH

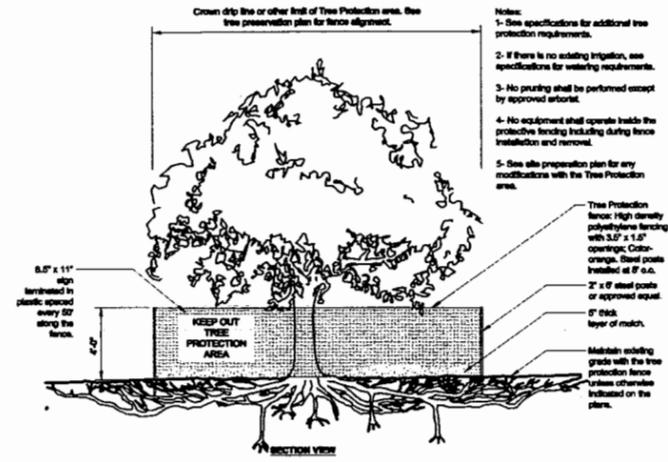




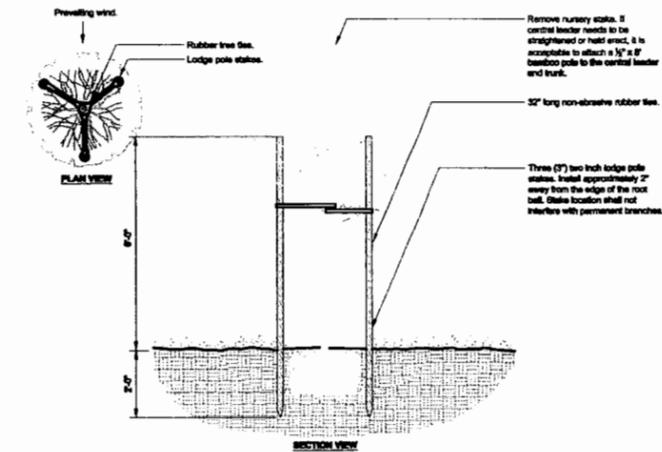
P-1 PAVER STEP-OUT - PARKING LOT ISLANDS
 1/8" = 1'-0"
 L_site preparation_rootbarriers_parking lot islands



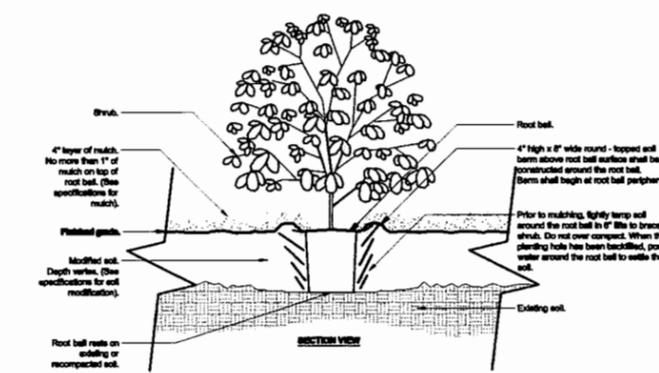
P-2 TREE W/ BERM (EXISTING SOIL MODIFIED)
 1/2" = 1'-0"
 L_tree planting_single berm_modified



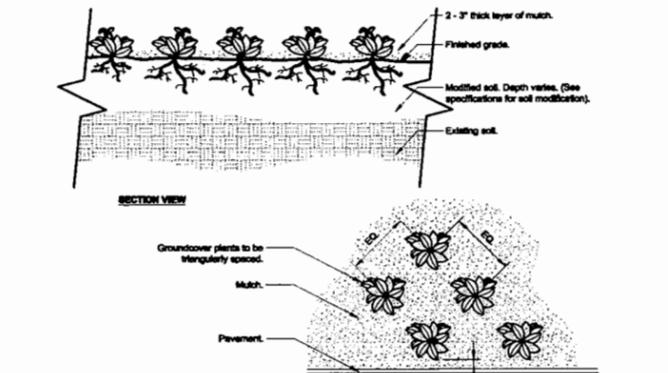
P-3 TREE PROTECTION
 1/4" = 1'-0"
 L_tree protection_safety netting



P-4 TREE STAKING - LODGE POLES (3)
 1/2" = 1'-0"
 L_tree staking_lodgepoles x 3



P-5 SHRUB - MODIFIED SOIL
 3/4" = 1'-0"
 L_shrub_modified soil



P-6 GROUNDCOVER
 3/4" = 1'-0"
 L_groundcover



LANDSCAPE ARCHITECT
PROJECT INFORMATION



**ARROYO VISTA REC
 CENTER PARKING LOT
 4550 TIERRA REJADA ROAD
 MOORPARK, CA 93021**

CLIENT INFORMATION
**CITY OF MOORPARK
 PARK AND REC DEPT
 790 MOORPARK AVE
 MOORPARK, CA 93021
 CONTACT: J. LAURYON 562.517.8395**

dig design GREEN, LLC
 105 5th Street, Suite 100
 San Diego, CA 92101
 619.594.8888
 www.digdesigngreen.com



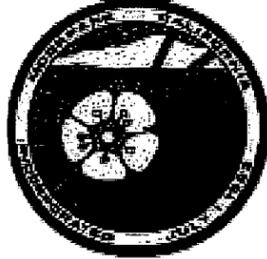
REVISION/SUBMITTAL	DATE

PROJECT NUMBER
18.301.03
 DATE
JUNE 1, 2015
 SET NAME
CONSTRUCTION DOCUMENTS
 SHEET TITLE
PLANTING DETAILS
 SHEET NO.
LP2.03

CITY OF MOORPARK

ARROYO VISTA COMMUNITY PARK

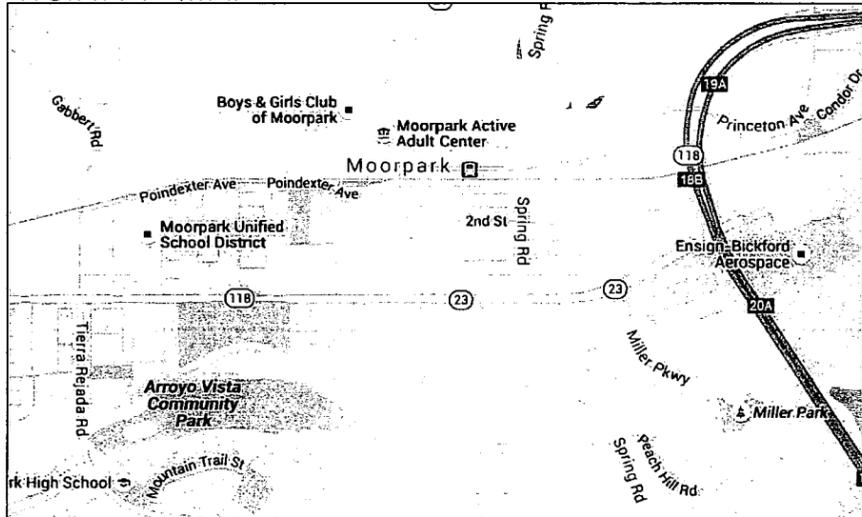
TRAIL PROJECT



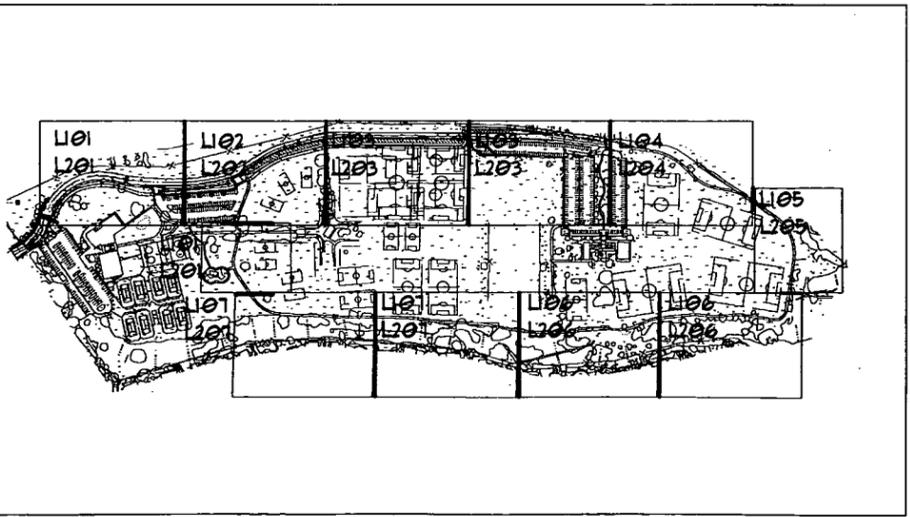
GENERAL NOTES

1. CONTRACTOR SHALL INSTALL ALL IMPROVEMENTS IN ACCORDANCE WITH THE CITY OF MOORPARK REQUIREMENTS. IN CASE OF DISCREPANCY BETWEEN THESE PLANS AND THE CITY'S REQUIREMENTS, THE MOST STRINGENT REQUIREMENT WILL APPLY.
 2. CONTRACTOR SHALL READ THESE PLANS AND NOTES COMPLETELY AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE LANDSCAPE ARCHITECT IMMEDIATELY UPON DISCOVERY & PRIOR TO THE COMMENCEMENT OF ANY FURTHER WORK.
 3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE CONSTRUCTION ACTIVITIES AND SCHEDULE IN A MANNER THAT MINIMIZES DISRUPTION OF PARK ACTIVITIES, AND MAINTAINS A SAFE ACCESS FOR PEDESTRIANS AND TRAFFIC. IF THE CONTRACTOR ANTICIPATES ANY DISRUPTION OF PARK ACCESS OR ACTIVITIES, HE SHALL PROVIDE A FIVE DAY PRIOR NOTICE TO THE CITY'S PROJECT MANAGER.
 4. EXTRA WORK SHALL BE APPROVED IN WRITING BY THE OWNER PRIOR TO COMMENCEMENT OF WORK.
 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, UTILITIES, SEWERS, WATER LINES, ETC. COORDINATE WORK WITH OTHER SUB-CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES UNDER PAVING, ELECTRICAL CONNECTIONS, WATER HOOK-UPS, ETC.
 6. ALL REQUIREMENTS OF THE UNIFORM BUILDING CODE SHALL APPLY TO THE WORK SPECIFIED HEREIN UNLESS OTHERWISE MODIFIED BY THESE DOCUMENTS.
 7. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO COMPLETE THE WORK SPECIFIED.
 8. CONTRACTOR TO NOTIFY UNDERGROUND SERVICE ALERT AT 1-800-227-2600 48 HOURS PRIOR TO ANY EXCAVATION.
 9. CONTRACTOR SHALL NOTIFY THE OWNER 48 HOURS PRIOR TO STARTING CONSTRUCTION.
 10. CONTRACTOR TO COORDINATE A PRE-CONSTRUCTION MEETING ON SITE 48 HOURS PRIOR TO START OF CONSTRUCTION. NOTIFY OWNER, LANDSCAPE ARCHITECT, AND ALL SUB-CONTRACTORS.
 11. CONTRACTOR TO SUBMIT REQUESTS FOR MEETINGS, OBSERVATIONS, AND APPROVALS BY THE LANDSCAPE ARCHITECT AT LEAST 48 HOURS PRIOR TO THE DATE AND TIME PROPOSED.
 12. SITE PROTECTION SHALL BE MAINTAINED THROUGHOUT THE ENTIRE CONTRACT AND NOT LIMITED TO THE PROTECTION OF ALL SITE ELEMENTS IE. GATE COLUMNS, ORNAMENTAL IRON WORK, CONNECTIONS ETC.
 12. OBTAIN THE CITY OF MOORPARK INSPECTOR'S AND LANDSCAPE ARCHITECT'S REVIEW AND APPROVAL OF WORK IN PROGRESS AT VARIOUS TIMES DURING CONSTRUCTION. THE FOLLOWING REVIEWS/MEETINGS ARE MANDATORY. PROVIDE 48 HOURS NOTICE FOR EACH REQUESTED VISIT.
 - PRE-JOB CONFERENCE
 - GATE CONSTRAINTS AND LAYOUT
 - PLANT MATERIAL LOCATION REVIEW
 - FINAL WALK THROUGH (AT COMPLETION OF PROJECT INSTALLATION)
 - FINAL WALK THROUGH (AT COMPLETION OF MAINTENANCE PERIOD)
- DIRECT ANY QUESTIONS REGARDING THESE PLANS TO : BRON RUF
 LAWRENCE R. MOSS AND ASSOCIATES
 OCEAN VIEW BLVD.
 GLENDALE, CA 91208
 (818)248-5200

VICINITY MAP



KEY MAP



OWNER

CITY OF MOORPARK
 COMMUNITY SERVICES AND PARKS DEPART.
 799 MOORPARK AVENUE
 MOORPARK, CA. 93021
 TEL: 805 532-2205

CONSULTANTS

LAWRENCE R. MOSS & ASSOCIATES INC.
 LANDSCAPE ARCHITECTURE
 TEL. 818-248-5200
 FAX. 818-248-6574

SHEET INDEX

T1.01	TITLE SHEET
L101	IRRIGATION PLAN
L102	IRRIGATION PLAN
L103	IRRIGATION PLAN
L104	IRRIGATION PLAN
L105	IRRIGATION PLAN
L106	IRRIGATION PLAN
L107	IRRIGATION PLAN
L108	IRRIGATION PLAN
L109	DETAILS
L110	DETAILS/NOTES
L201	PLANTING PLAN
L202	PLANTING PLAN
L203	PLANTING PLAN
L204	PLANTING PLAN
L205	PLANTING PLAN
L206	PLANTING PLAN
L207	PLANTING PLAN
L208	PLANTING PLAN
L209	DETAILS/NOTES
L301	ENTRY SIGN LAYOUT PLAN
L302	ENTRY SIGN DETAILS



Lawrence R
MOSS
 & Associates

LAWRENCE R MOSS ASLA
 & ASSOCIATES INC
 3456 OCEAN VIEW BLVD
 GLENDALE CA 91208
 818 248 5200
 LANDSCAPE ARCHITECTURE
 LIC. 1201

TITLE SHEET

SHEET TITLE

BID PACKAGE

ARROYO VISTA PARK
 TRAIL PROJECT
 4550 TIERRA REJADA RD
 MOORPARK, CA.

REVISIONS	DATE	BY	DATE
1			
2			
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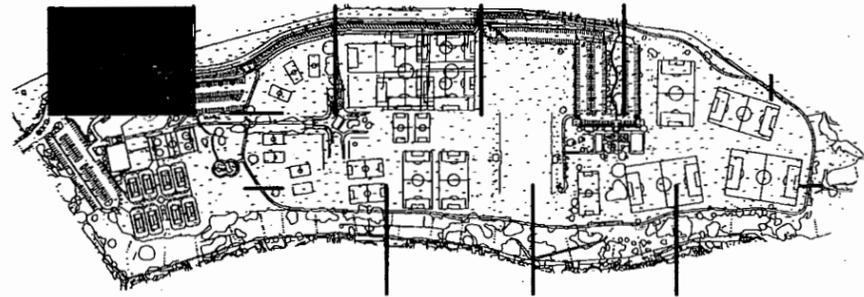
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 CHECKED BY: BR
 PROJECT NO. 15-7900
 DATE: 1/11/2016



SHEET 1 OF 22

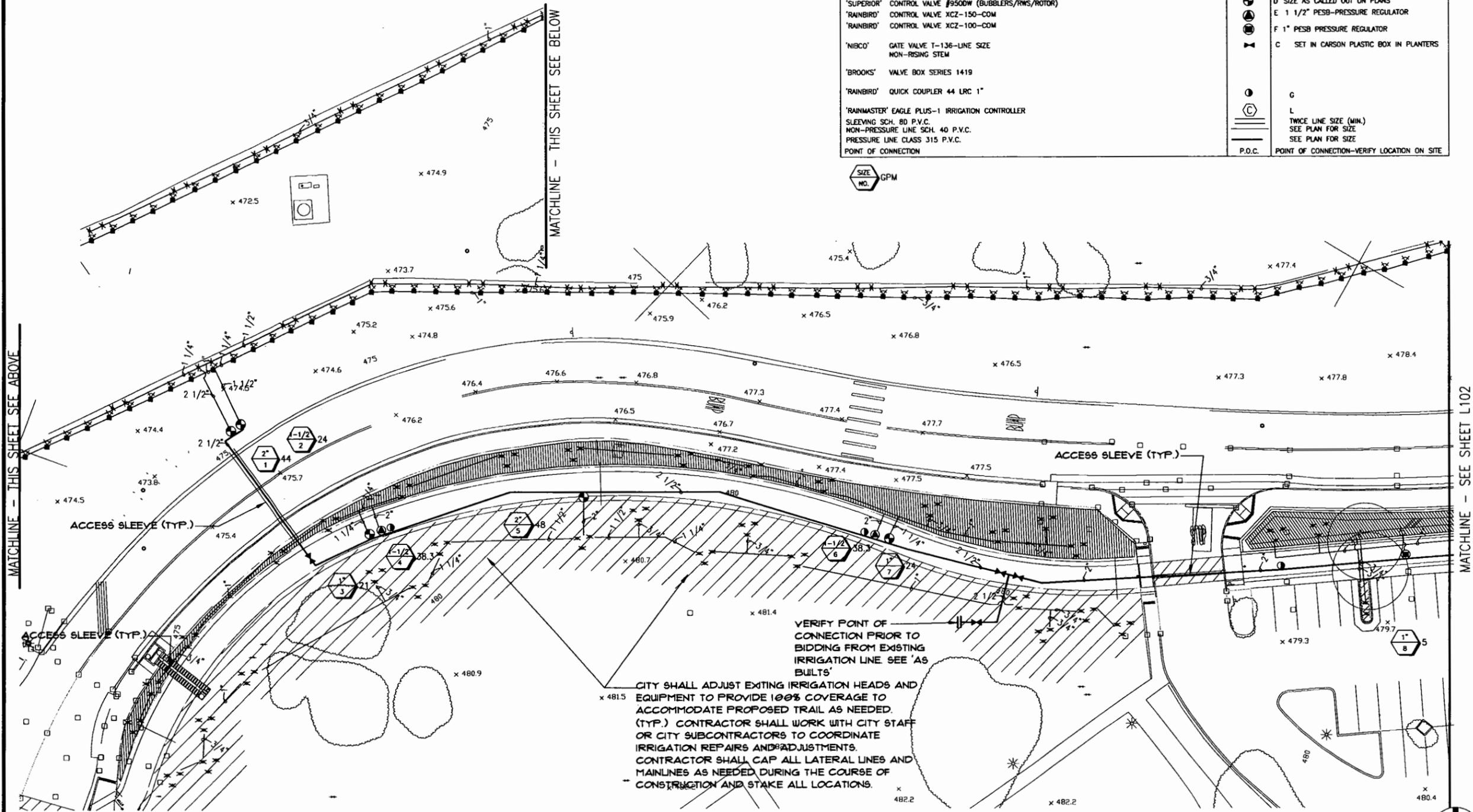
T1.01

KEY MAP



IRRIGATION LEGEND

DESCRIPTION	SYM.	DETAIL REF.	P.S.I.	RAD.	G.P.M.
'HUNTER' PGP-ULTRA-PGP-ADJUSTABLE ARC-2.0LA	Y	D-E	40	27'	1.9
'HUNTER' PGP-ULTRA-PGP-12-ADJUSTABLE ARC-2.0LA	B	40	27'		1.9
'RAINBIRD' 1401 BUBBLER ON 3" FLEX RISER-SET IN BASIN-SEE DETAIL	X	30	-		.25
'RAINBIRD' RWS-B-C-1404 ROOT WATERING SYSTEM	X	G	30	FB	1
'RAINBIRD' XFCV-18-09 W/ HEAVY DUTY CHECK VALVE		INCONSPICUOUSLY SNAKE TUBING ALONG PLANTER TO EACH PLANT.			
AREA TO RECEIVE DRIPLINE RAIN BIRD XFD-P-09-12 LANDSCAPE DRIPLINE WITH 0.92 GPH EMITTERS AT 12" O.C. DRIPLINE LATERALS SPACED AT 12" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. INSTALL FLUSH VALVE AT FURTHEST POINT AND LOWEST ELEVATION		M,N,O,P,Q,R			
'RAINBIRD' DRIP LINE 3/4" AIR RELIEF VALVE		K: INSTALL AT HIGH PT. PER 1,000' OF DRIPLINE			
'RAINBIRD' DRIP LINE FLUSH POINT		L: INSTALL AT LOW PT. OF EACH PLANTER AND AT EVERY CHANGE OF DIRECTION			
'SUPERIOR' CONTROL VALVE #9500W (BUBBLERS/RWS/ROTOR)		D SIZE AS CALLED OUT ON PLANS			
'RAINBIRD' CONTROL VALVE XCZ-150-COM		E 1 1/2" PESB-PRESSURE REGULATOR			
'RAINBIRD' CONTROL VALVE XCZ-100-COM		F 1" PESB PRESSURE REGULATOR			
'NIBCO' GATE VALVE T-136-LINE SIZE NON-RISING STEM		C SET IN CARSON PLASTIC BOX IN PLANTERS			
'BROOKS' VALVE BOX SERIES 1419		G			
'RAINBIRD' QUICK COUPLER 44 LRC 1"		L			
'RAINMASTER' EAGLE PLUS-1 IRRIGATION CONTROLLER		TWICE LINE SIZE (MIN.)			
SLEEVING SCH. 80 P.V.C.		SEE PLAN FOR SIZE			
NON-PRESSURE LINE SCH. 40 P.V.C.		SEE PLAN FOR SIZE			
PRESSURE LINE CLASS 315 P.V.C.		SEE PLAN FOR SIZE			
POINT OF CONNECTION		POINT OF CONNECTION-VERIFY LOCATION ON SITE			



VERIFY POINT OF CONNECTION PRIOR TO BIDDING FROM EXISTING IRRIGATION LINE SEE 'AS BUILTS'

CITY SHALL ADJUST EXISTING IRRIGATION HEADS AND EQUIPMENT TO PROVIDE 100% COVERAGE TO ACCOMMODATE PROPOSED TRAIL AS NEEDED. (TYP.) CONTRACTOR SHALL WORK WITH CITY STAFF OR CITY SUBCONTRACTORS TO COORDINATE IRRIGATION REPAIRS AND ADJUSTMENTS. CONTRACTOR SHALL CAP ALL LATERAL LINES AND MAINLINES AS NEEDED DURING THE COURSE OF CONSTRUCTION AND STAKE ALL LOCATIONS.



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IRRIGATION PLAN
BID PACKAGE

ARROYO VISTA PARK TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

REVISIONS	DATE	PROJECT TITLE
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DRAWN BY: BKR
CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016

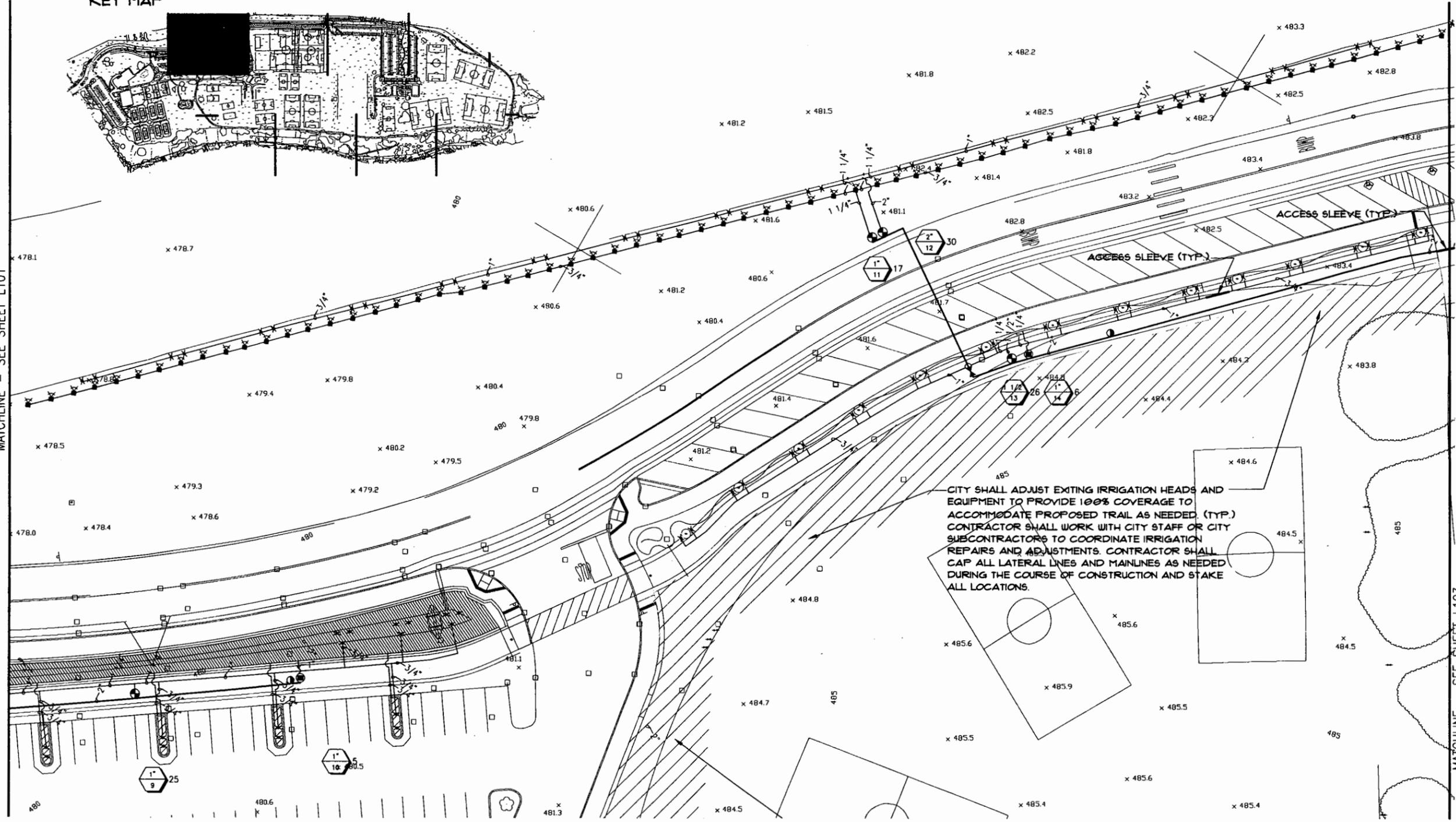


SHEET 2 OF 22
L101

KEY MAP



MATCHLINE - SEE SHEET L101



CITY SHALL ADJUST EXISTING IRRIGATION HEADS AND EQUIPMENT TO PROVIDE 100% COVERAGE TO ACCOMMODATE PROPOSED TRAIL AS NEEDED. (TYP.) CONTRACTOR SHALL WORK WITH CITY STAFF OR CITY SUBCONTRACTORS TO COORDINATE IRRIGATION REPAIRS AND ADJUSTMENTS. CONTRACTOR SHALL CAP ALL LATERAL LINES AND MAINLINES AS NEEDED DURING THE COURSE OF CONSTRUCTION AND STAKE ALL LOCATIONS.

MATCHLINE - SEE SHEET L103

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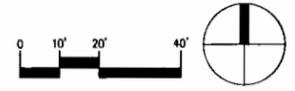
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LIC. 1261

SHEET TITLE
IRRIGATION PLAN
BID PACKAGE

PROJECT TITLE
**ARROYO VISTA PARK
TRAIL PROJECT**
4550 TIERRA REJADA RD
MOORPARK, CA.

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CHECKED BY: LRM
PROJECT NO. 15-7900
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SHEET 3 OF 22
L102

KEY MAP



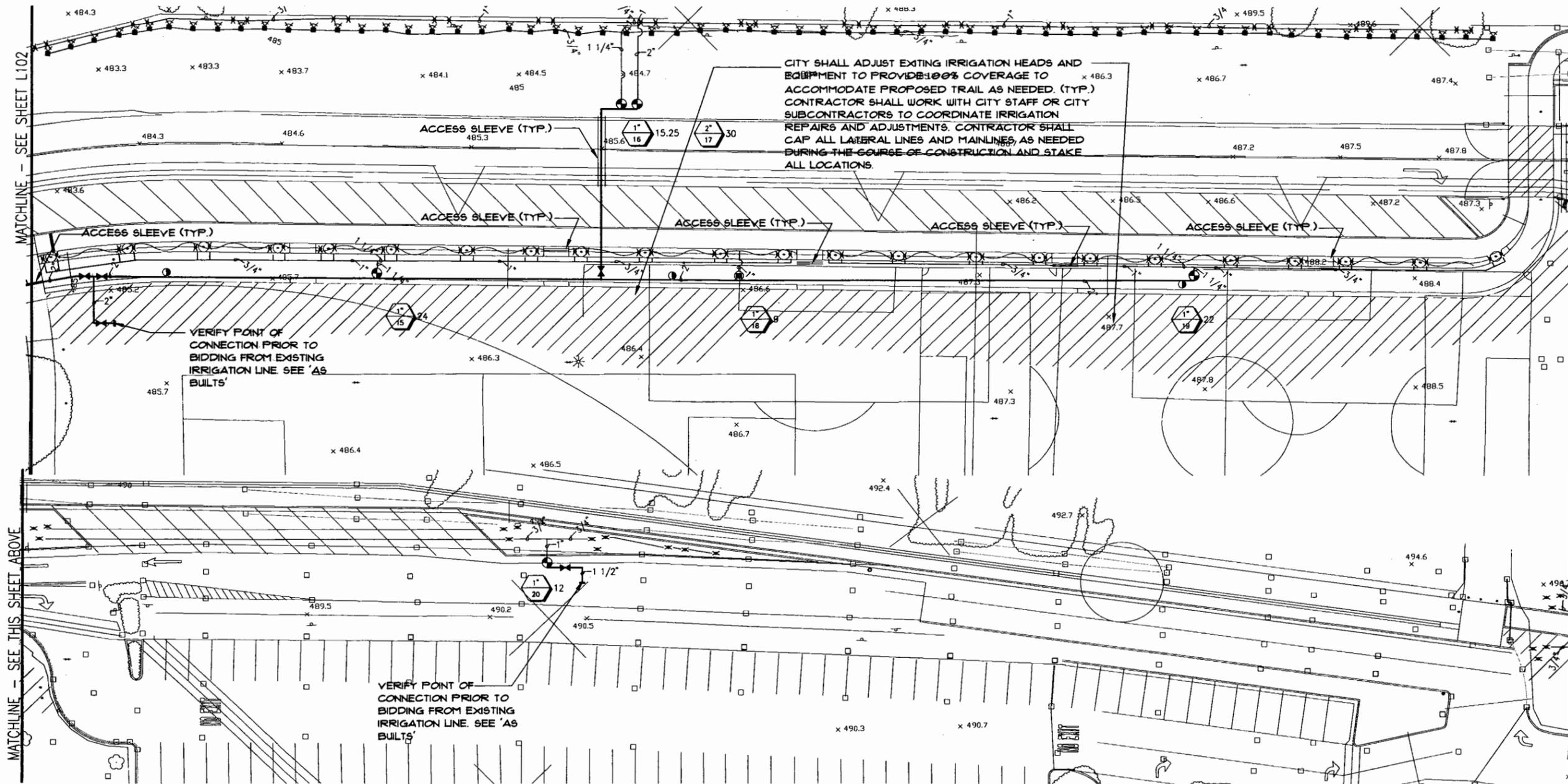
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IRRIGATION PLAN

BID PACKAGE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.



MATCHLINE - SEE SHEET L102

MATCHLINE - SEE THIS SHEET ABOVE

MATCHLINE - SEE THIS SHEET BELOW

MATCHLINE - SEE SHEET L104

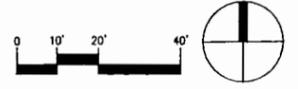
VERIFY POINT OF CONNECTION PRIOR TO BIDDING FROM EXISTING IRRIGATION LINE SEE 'AS BUILT'

VERIFY POINT OF CONNECTION PRIOR TO BIDDING FROM EXISTING IRRIGATION LINE SEE 'AS BUILT'

CITY SHALL ADJUST EXISTING IRRIGATION HEADS AND EQUIPMENT TO PROVIDE 100% COVERAGE TO ACCOMMODATE PROPOSED TRAIL AS NEEDED. (TYP.) CONTRACTOR SHALL WORK WITH CITY STAFF OR CITY SUBCONTRACTORS TO COORDINATE IRRIGATION REPAIRS AND ADJUSTMENTS. CONTRACTOR SHALL CAP ALL LATERAL LINES AND MAINLINES, AS NEEDED DURING THE COURSE OF CONSTRUCTION AND STAKE ALL LOCATIONS.

REVISIONS	DATE	PROJECT TITLE
1.		ARROYO VISTA PARK TRAIL PROJECT
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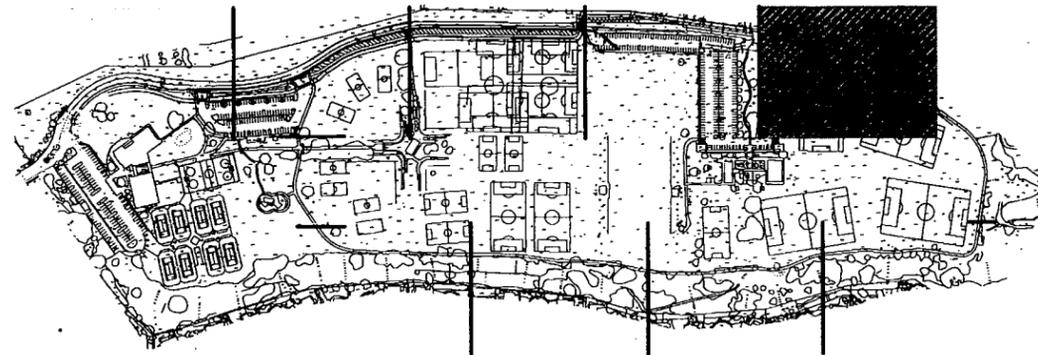
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SHEET 4 OF 22
L103

MATCHLINE - SEE SHEET L103

KEY MAP



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IRRIGATION PLAN

BID PACKAGE

SHEET TITLE

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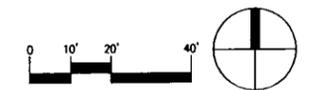


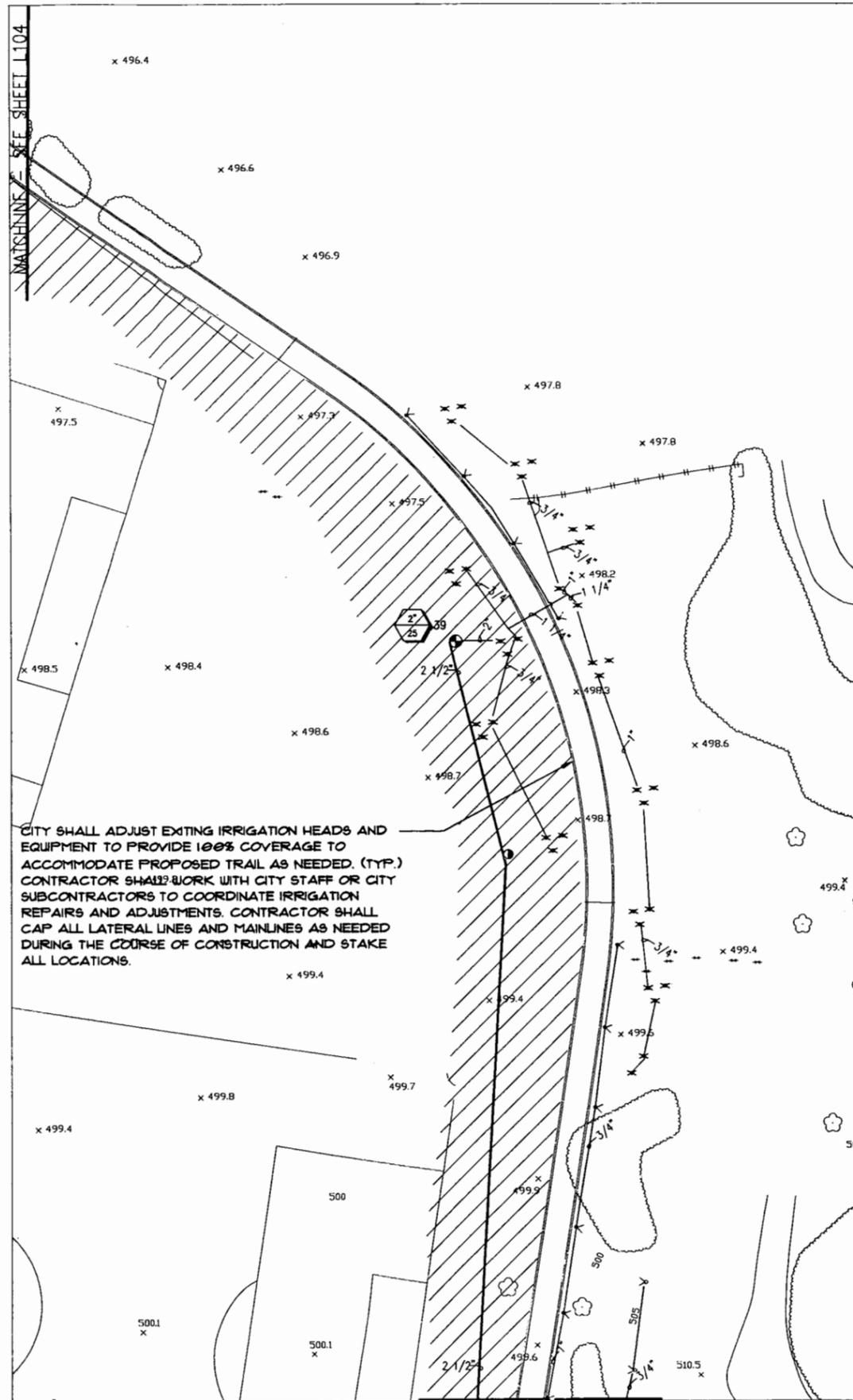
SHEET 5 OF 22

L104



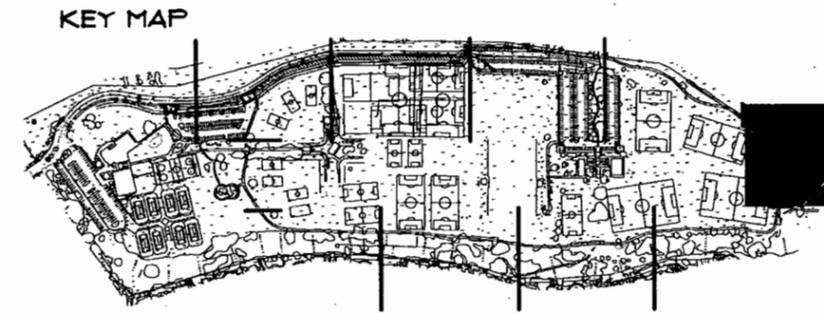
MATCHLINE - SEE SHEET L105





MATCHLINE - SEE SHEET L104

MATCHLINE - SEE SHEET L106



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IRRIGATION PLAN

BID PACKAGE

PROJECT TITLE
ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

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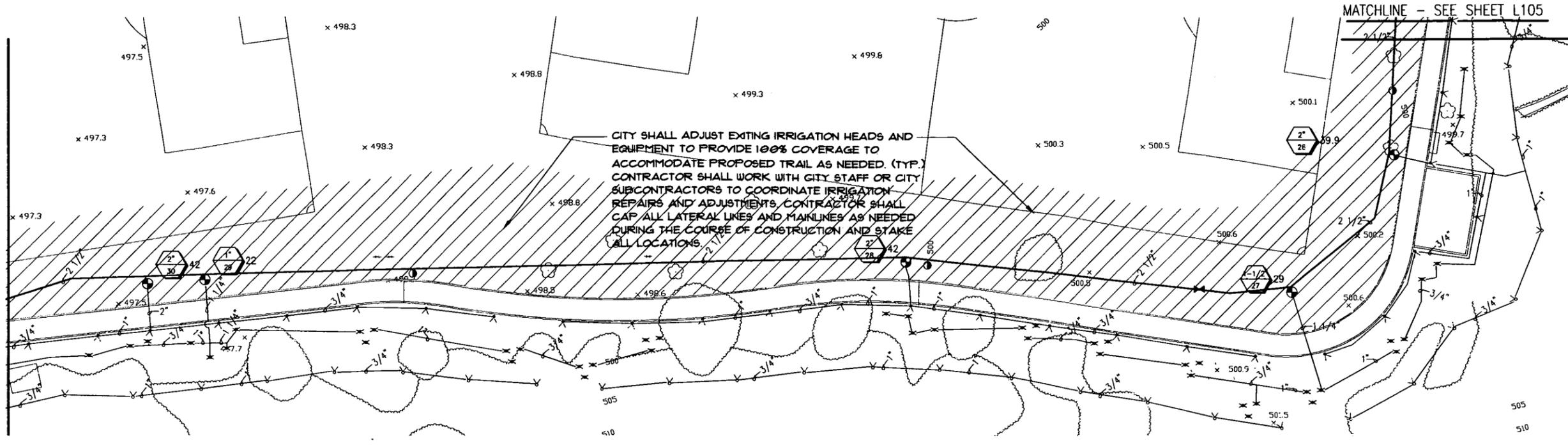


SHEET 6 OF 22
L105

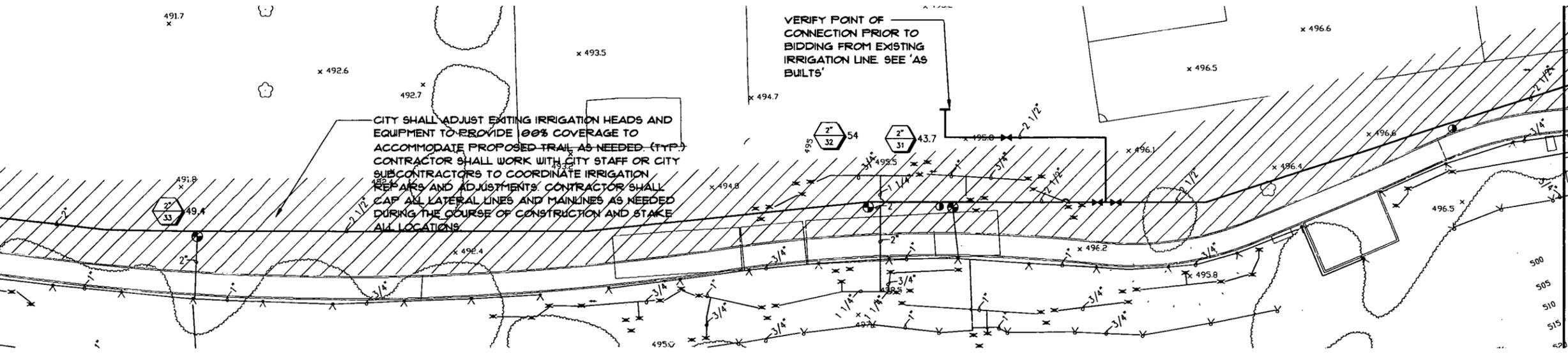


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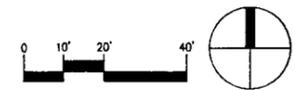
MATCHLINE - SEE SHEET L107



KEY MAP



MATCHLINE - SEE THIS SHEET ABOVE



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SHEET TITLE
IRRIGATION PLAN

BID PACKAGE

PROJECT TITLE
**ARROYO VISTA PARK
TRAIL PROJECT**
4550 TIERRA REJADA RD
MOORPARK, CA.

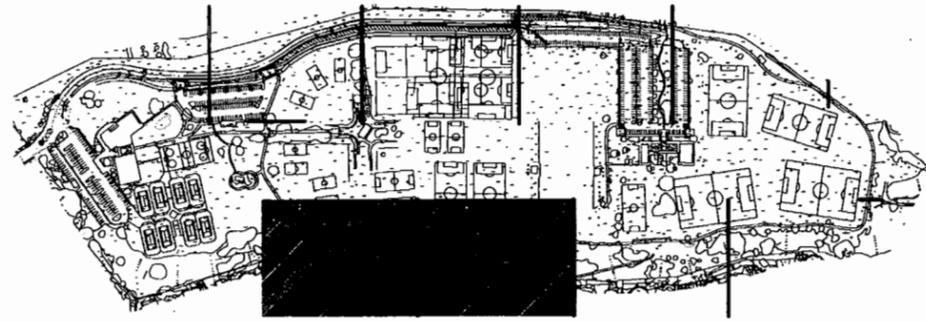
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DRAWN BY: BKR
CHECKED BY: LRM
PROJECT NO. 15-7900
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SHEET 7 OF 22
L106

KEY MAP

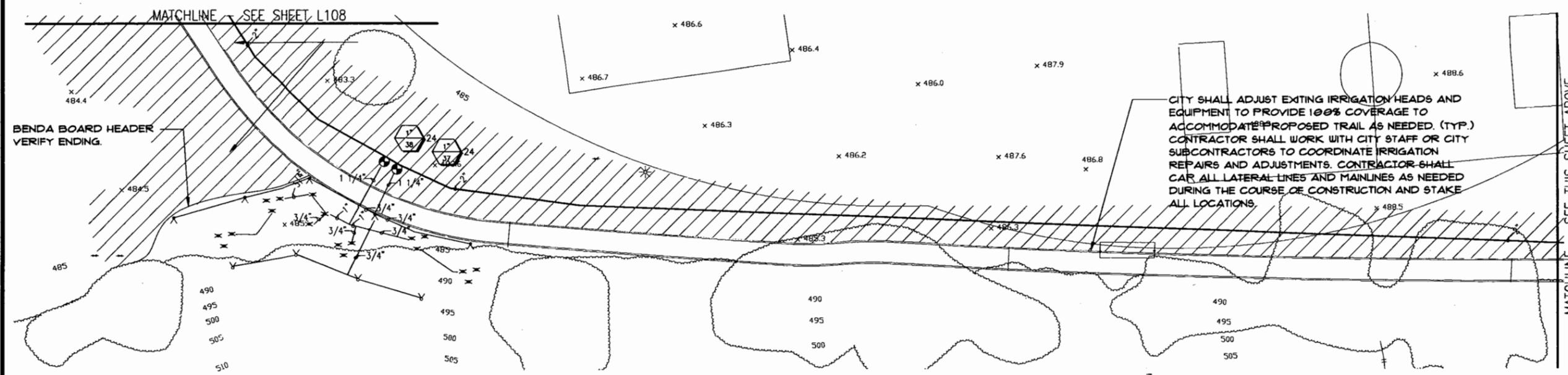
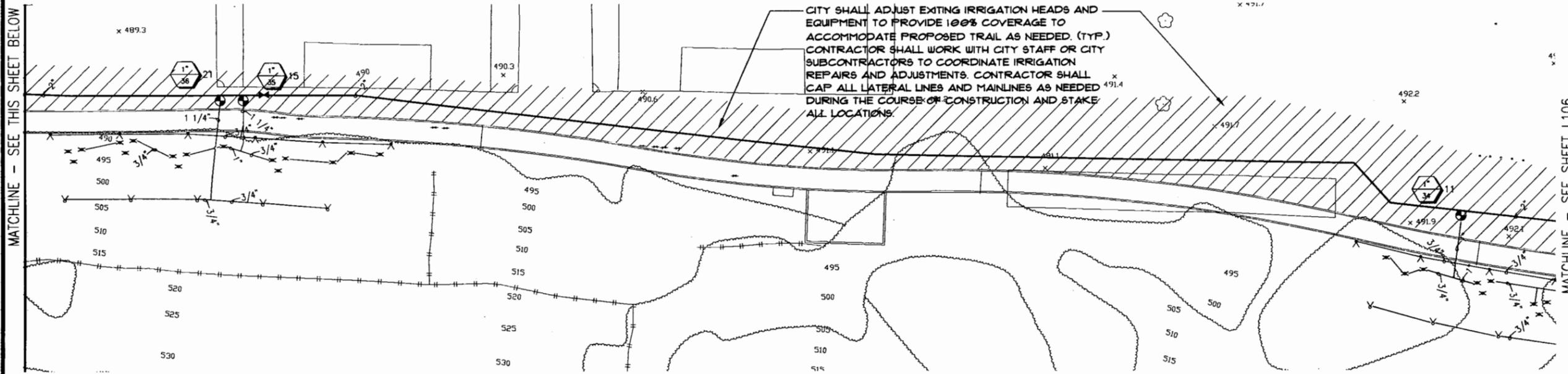


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IRRIGATION PLAN

BID PACKAGE



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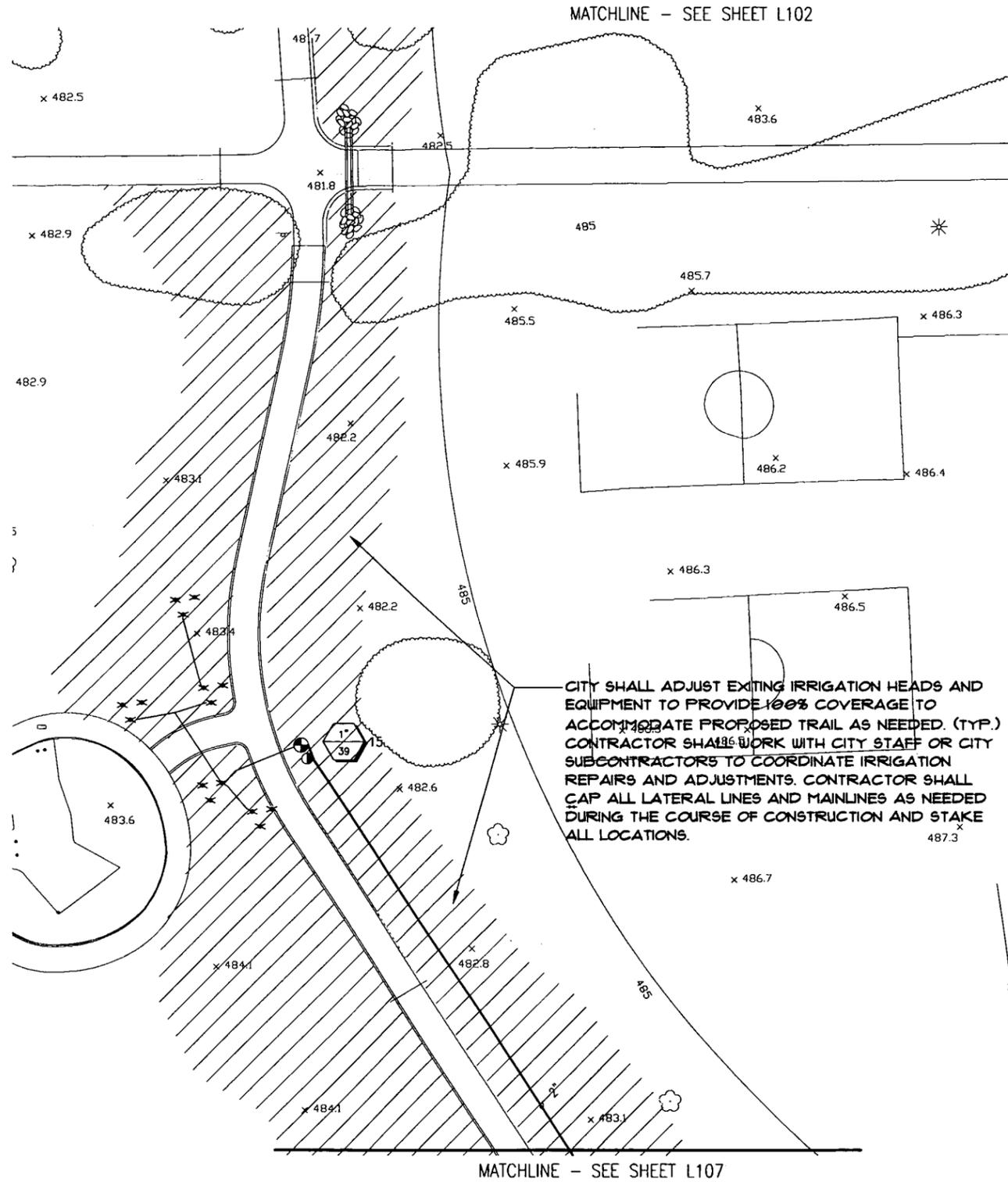
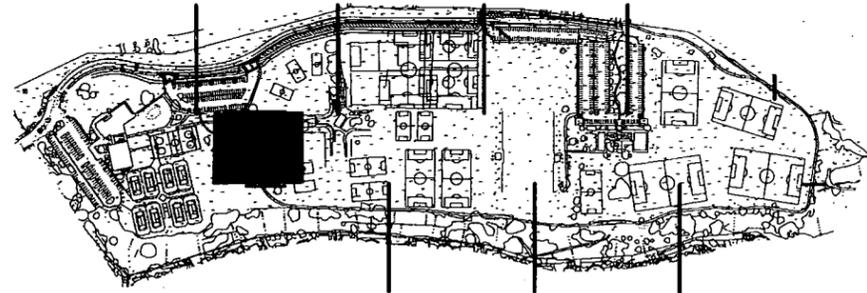
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CHECKED BY: LRW
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 8 OF 22

L107

KEY MAP



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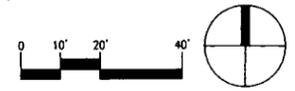
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SHEET TITLE
IRRIGATION PLAN
BID PACKAGE

PROJECT TITLE
**ARROYO VISTA PARK
TRAIL PROJECT**
4550 TIERRA REJADA RD
MOORPARK, CA.

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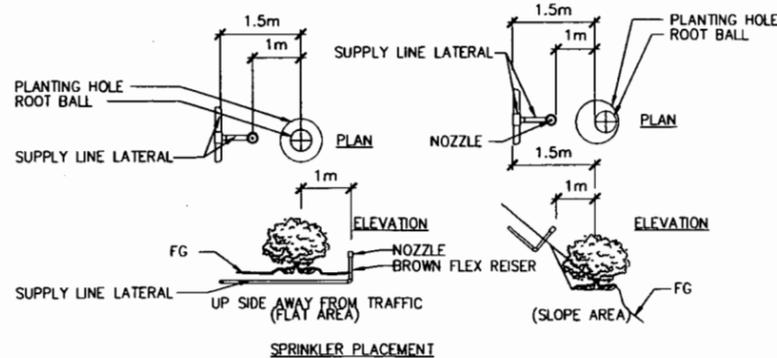
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CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



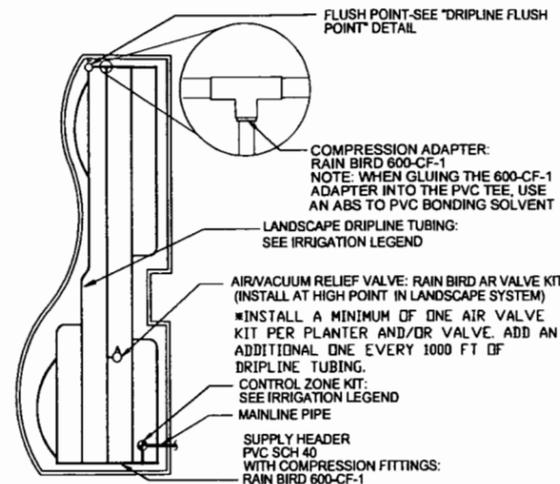
SHEET 9 OF 22
L108

IRRIGATION NOTES

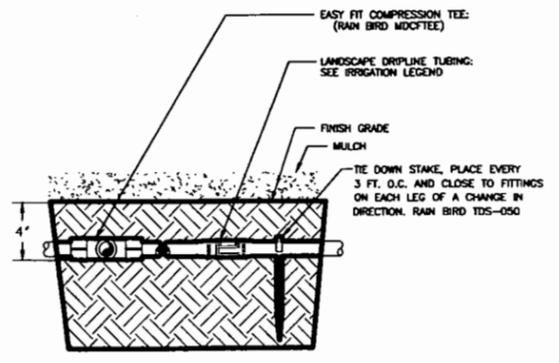
1. THE IRRIGATION DRAWING IS DIAGRAMMATIC. DUE TO THE SCALE OF THE CONTRACT DRAWINGS, IT IS NOT POSSIBLE TO INDICATE OFFSETS, FITTINGS, SLEEVES, EMITTERS, ROTORS, BUBBLERS, AND OTHER ITEMS WHICH MAY BE REQUIRED. THE CONTRACTOR SHALL FURNISH ANY ITEM REQUIRED TO PROVIDE A COMPLETE IRRIGATION SYSTEM AT NO ADDITIONAL COST TO THE CLIENT. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY AND SHALL BE INSTALLED IN PLANTING AREAS WHEREVER POSSIBLE.
2. THE CONTRACTOR IS REQUIRED TO WALK THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE GRADE DIFFERENCES, LOCATION OF WALLS AND UTILITIES. THE CONTRACTOR SHALL NOT COMMENCE THE CONSTRUCTION OF THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT THERE ARE UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES IN THE AREA. DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT IN WRITING PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
3. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 80 P.S.I. AND A MAXIMUM FLOW DEMAND OF 54 G.P.M. THE CONTRACTOR SHALL VERIFY WATER PRESSURES PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION TO THE CLIENT REPRESENTATIVE.
4. CONTRACTOR SHALL PROVIDE A SUBMITTAL OF ALL IRRIGATION MATERIALS AND EQUIPMENT TO THE CLIENT REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION.
5. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT I.D. NUMBER BY CALLING 1-800-227-2600. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
6. AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION. THEY SHALL COORDINATE THEIR WORK WITH OTHER CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE SLEEVES AND LATERALS UNDER ROADWAYS AND PAVING, ETC.
7. PRIOR TO BIDDING CONTRACTOR TO VERIFY LOCATION OF EXISTING MAINLINE THAT IS LARGE ENOUGH TO SERVICE THE PROPOSED SYSTEMS. COORDINATE WITH PARK MAINTENANCE CREW AND ANY "AS-BUILT" AVAILABLE.
8. SET ALL VALVES AND QUICK COUPLERS NEXT TO WALKS OR PAVED SURFACES. INSTALLATION FOR THE CONTROL WIRES SHALL INCLUDE TRACER WIRE AND FOLLOW MAINLINE ROUTING. THE CONTRACTOR SHALL INSTALL TWO SPARE CONTROL WIRES FROM THE CONTROLLER TO THE FARTHEST VALVE ON EACH LEG OF THE MAINLINE AND PASS THROUGH EACH VALVE BOX. THESE WIRES SHALL BE A DIFFERENT COLOR AND LABELED AS "SPARE" AT THE CONTROLLER CABINET AND IN ALL VALVE BOXES.
9. PIPE SIZES SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS OF LARGER SIZES MAY BE APPROVED. ALL DAMAGED AND REJECTED PIPE SHALL BE REMOVED FROM THE SITE AT THE TIME OF THE SAID REJECTION.
10. THE CONTRACTOR SHALL SLEEVE ALL IRRIGATION PIPE UNDER PAVED AREAS UNLESS OTHERWISE REQUESTED. SLEEVING SHALL BE 2 TIMES 1" FIP" DIAMETER, MINIMUM SCHEDULE 40 P.V.C., 24" MINIMUM DEPTH TO TOP OF LINE.
11. ALL SPRINKLER HEADS ARE TO HAVE TRIPLE SWING JOINTS AND SET PERPENDICULAR TO FINISH GRADE UNLESS OTHERWISE NOTED ON PLANS.
12. IT IS THE INTENT OF THE DRAWING(S) TO PROVIDE HEAD-TO-HEAD, UNIFORM COVERAGE. THE CONTRACTOR SHALL ADD OR REMOVE HEADS, NOZZLES, LATERAL LINES & NECESSARY EQUIPMENT TO MEET THIS REQUIREMENT AT NO ADDITIONAL COST TO THE CLIENT. THE CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS AND VALVES FOR OPTIMUM COVERAGE WITH NO OVER SPRAY ONTO WALKS, STREETS, IMPERMEABLE SURFACES, ETC. THE IRRIGATION SYSTEM IS SUBJECT TO PERIODIC INSPECTIONS BY THE CLIENT REPRESENTATIVE FOR ACCEPTANCE.
13. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
14. DURING CONSTRUCTION, THE CONTRACTOR SHALL KEEP A SET OF RECORD DRAWINGS ON SITE TO RECORD ALL CHANGES TO THE IRRIGATION PLAN FOR THE DEVELOPMENT OF THE "AS-BUILT" DRAWINGS. AT THE TIME OF FINAL ACCEPTANCE, THE CONTRACTOR SHALL SUPPLY THE CLIENT WITH ALL THE NECESSARY TOOLS, KEYS, ETC. AND PROVIDE A REDUCED AND LAMINATED VALVE CHART FOR PLACEMENT IN CONTROLLER.
15. GUARANTEE: THE INSTALLED SPRINKLER SYSTEM SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK. SHOULD ANY TROUBLE DEVELOP WITHIN THE TIME SPECIFIED DUE TO INFERIOR OR FAULTY MATERIAL OR WORKMANSHIP, THE TROUBLE SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT EXPENSE TO THE OWNER. FAILURE TO REPAIR OR CORRECT WITHIN 10 WORKING DAYS, THE OWNER HOLDS THE RIGHT TO HIRE AN OUTSIDE PARTY TO COMPLETE THE WORK, AND CHARGE THE CONTRACTOR FOR PAYMENT.
16. PROTECT IN PLACE EXISTING IRRIGATION AS NOTED ON CONTRACT DRAWINGS/PLANS.
17. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION REGARDING THIS SECTION OF WORK.
18. PLANTING SHALL NOT COMMENCE UNTIL THE IRRIGATION SYSTEM IS FULLY FUNCTIONAL AND PROVIDES 100% UNIFORM COVERAGE.



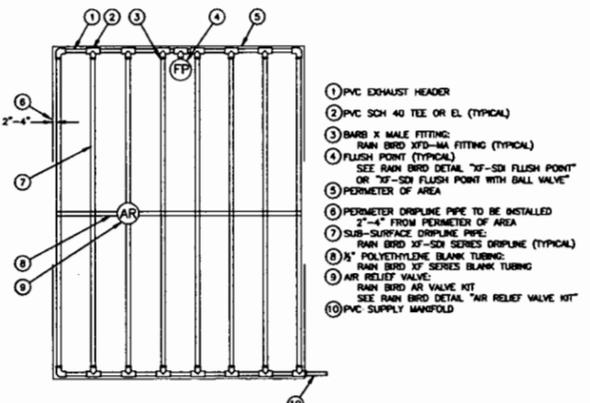
S SPRINKLER SHRUB PLACEMENT
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FILE: D_DRIP



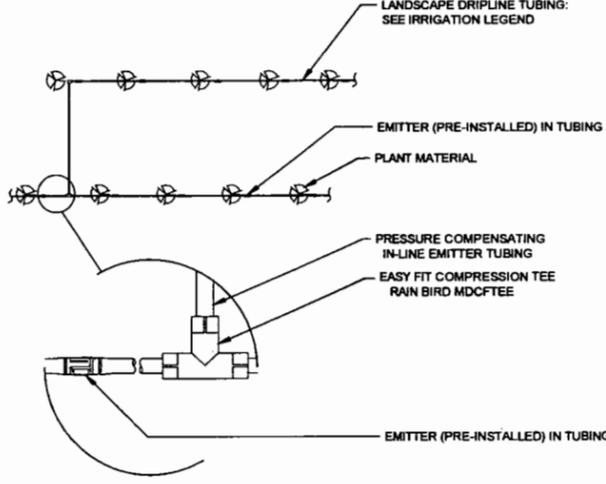
P DRIPLINE LAYOUT/CONNECTIONS
SCALE: NTS
FILE: D_DRIP_LAYOUT_CONNECTIONS.DWG



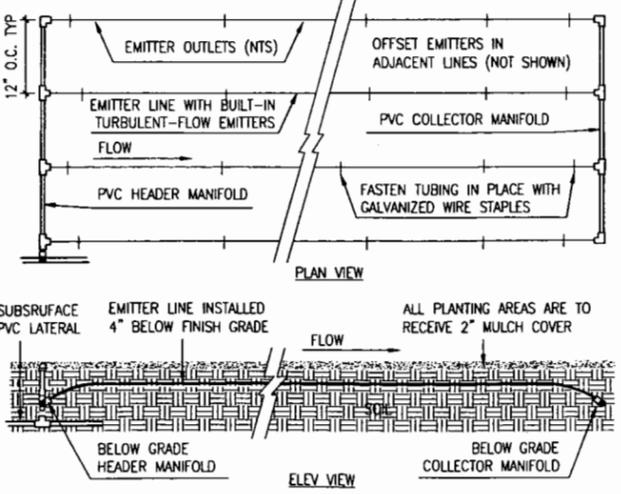
M DRIPLINE 4" BELOW GRADE
SCALE: NTS
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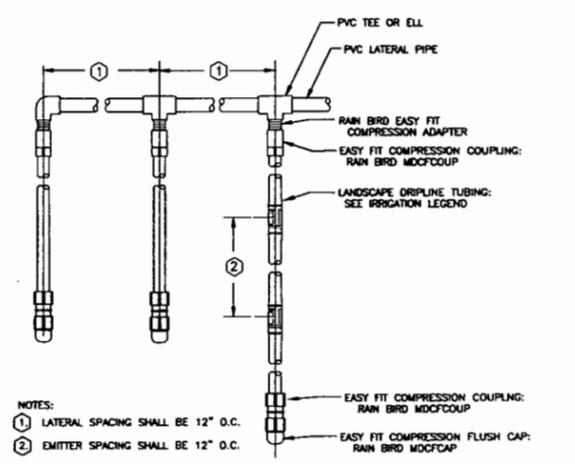
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SCALE: NTS
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N DRIPLINE CONNECTIONS
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FILE: D_DRIP_CONNECTIONS01.DWG



R DRIP LINE
SCALE: NTS (24)
FILE: D_DRIP01.DWG



O DRIPLINE LATERALS
SCALE: SCALE
FILE: D_DRIP_LATERALS01.DWG

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DETAILS

SHEET TITLE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

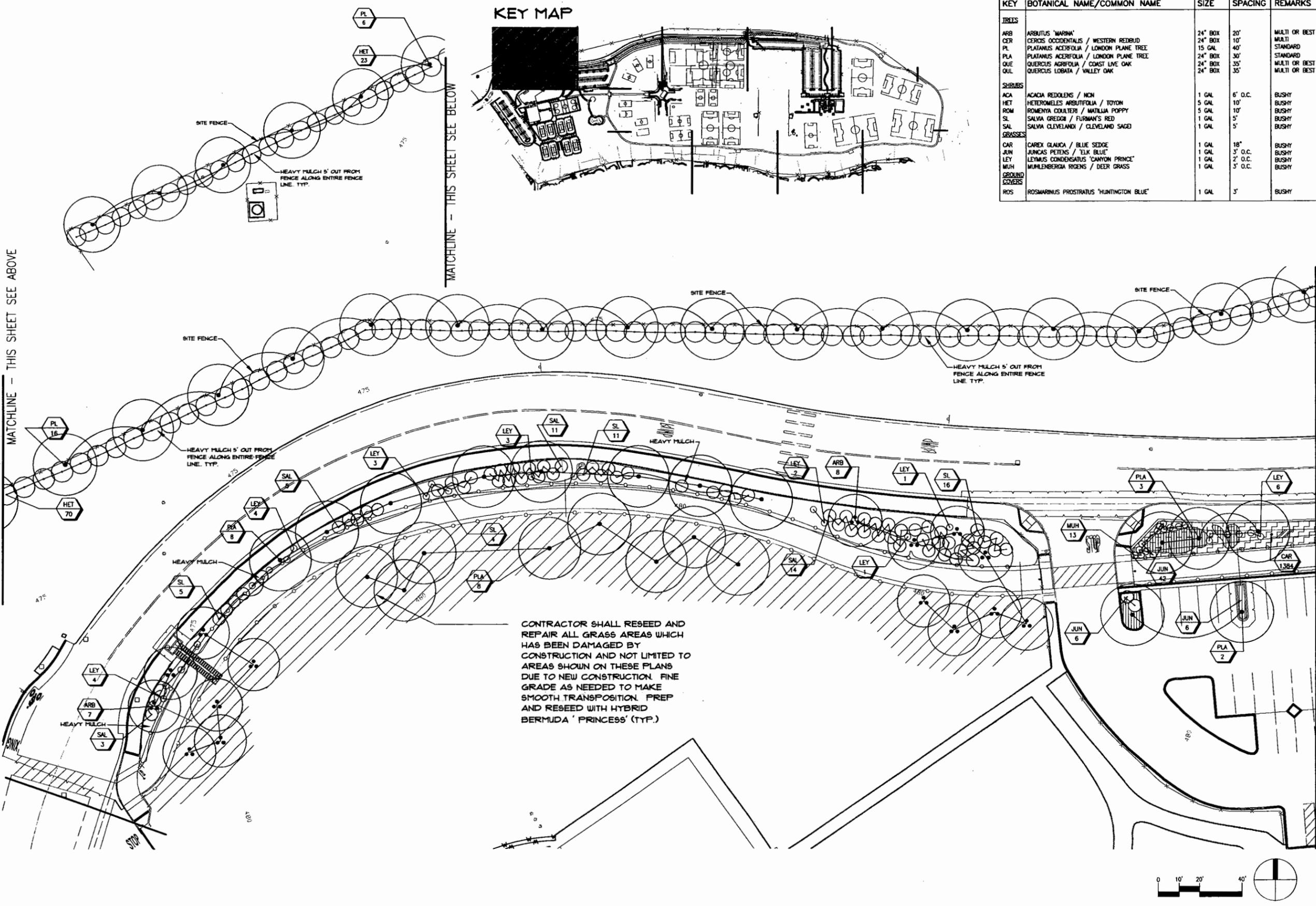
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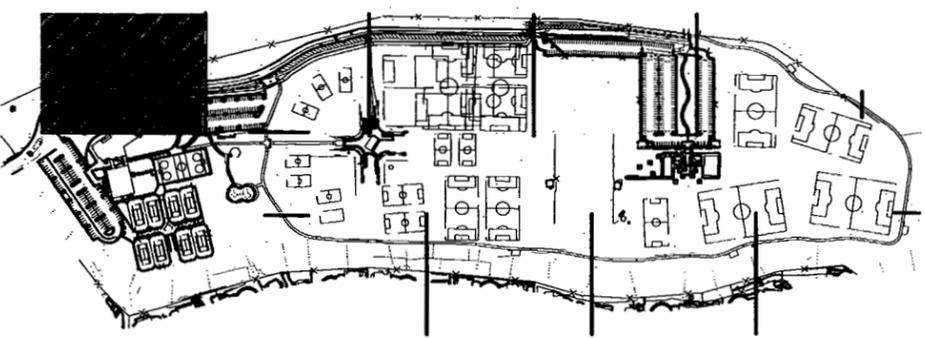


SHEET 11 OF 22
L110

MATCHLINE - THIS SHEET SEE ABOVE



KEY MAP



PLANT LEGEND

KEY	BOTANICAL NAME/COMMON NAME	SIZE	SPACING	REMARKS
TREES				
ARB	ARBUTUS 'MARM'	24" BOX	20'	MULTI OR BEST
CER	CERCIS OCCIDENTALIS / WESTERN REDBUD	24" BOX	10'	MULTI
PL	PLATANUS ACERIFOLIA / LONDON PLANE TREE	15 GAL	40'	STANDARD
PLA	PLATANUS ACERIFOLIA / LONDON PLANE TREE	24" BOX	30'	STANDARD
QUE	QUERCUS AGROFOLIA / COAST LIVE OAK	24" BOX	35'	MULTI OR BEST
QUL	QUERCUS LOBATA / VALLEY OAK	24" BOX	35'	MULTI OR BEST
SHRUBS				
ACA	ACACIA REDOLENS / NON	1 GAL	6" O.C.	BUSHY
HET	HETEROMELES ARBUTIFOLIA / TOYON	5 GAL	10'	BUSHY
ROM	ROMNEYA COULTERI / MATILDA POPPY	5 GAL	10'	BUSHY
SL	SALVIA GREGGII / FURMAN'S RED	1 GAL	5"	BUSHY
SAL	SALVIA CLEVELANDI / CLEVELAND SAGE	1 GAL	5"	BUSHY
GRASSES				
CAR	CAREX GLAUCA / BLUE SEDGE	1 GAL	18"	BUSHY
JUN	JUNCA PETENS / 'ELK BLUE'	1 GAL	3" O.C.	BUSHY
LEY	LEYMUS CONDENSATUS 'CANYON PRINCE'	1 GAL	2" O.C.	BUSHY
MUH	MUHLENBERGIA RIGENS / DEER GRASS	1 GAL	3" O.C.	BUSHY
GROUND COVERS				
ROS	ROSMARINUS PROSTRATUS 'HUNTINGTON BLUE'	1 GAL	3"	BUSHY

CONTRACTOR SHALL RESEED AND REPAIR ALL GRASS AREAS WHICH HAS BEEN DAMAGED BY CONSTRUCTION AND NOT LIMITED TO AREAS SHOWN ON THESE PLANS DUE TO NEW CONSTRUCTION. FINE GRADE AS NEEDED TO MAKE SMOOTH TRANSPOSITION. PREP AND RESEED WITH HYBRID BERMUDA 'PRINCESS' (TYP.)

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918 248 5200
LANDSCAPE ARCHITECTURE
SINCE 1961

PLANTING PLAN

SHEET TITLE

BID PACKAGE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

PROJECT TITLE

DATE

REVISIONS
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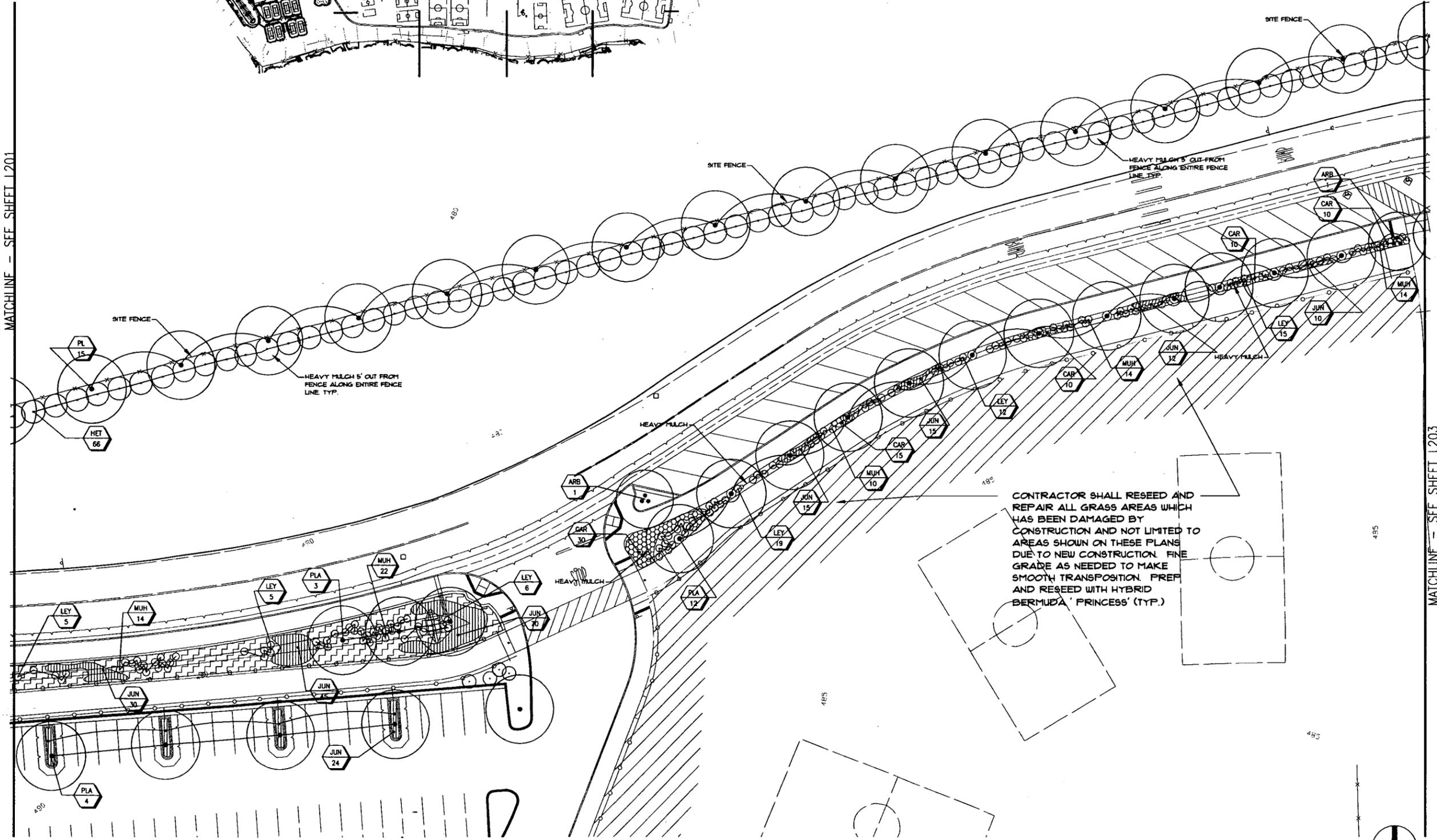
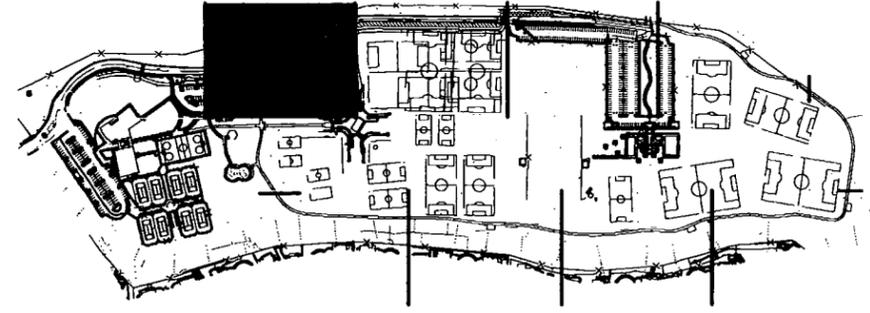
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CHECKED BY: LM
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 12 OF 22

L201

KEY MAP



MATCHLINE - SEE SHEET L201

MATCHLINE - SEE SHEET L203

CONTRACTOR SHALL RESEED AND REPAIR ALL GRASS AREAS WHICH HAS BEEN DAMAGED BY CONSTRUCTION AND NOT LIMITED TO AREAS SHOWN ON THESE PLANS DUE TO NEW CONSTRUCTION. FINE GRADE AS NEEDED TO MAKE SMOOTH TRANSPOSITION. PREP AND RESEED WITH HYBRID BERMUDA 'PRINCESS' (TYP.)



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LIC. 1201

PLANTING PLAN

BID PACKAGE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REAJADA RD
MOORPARK, CA.

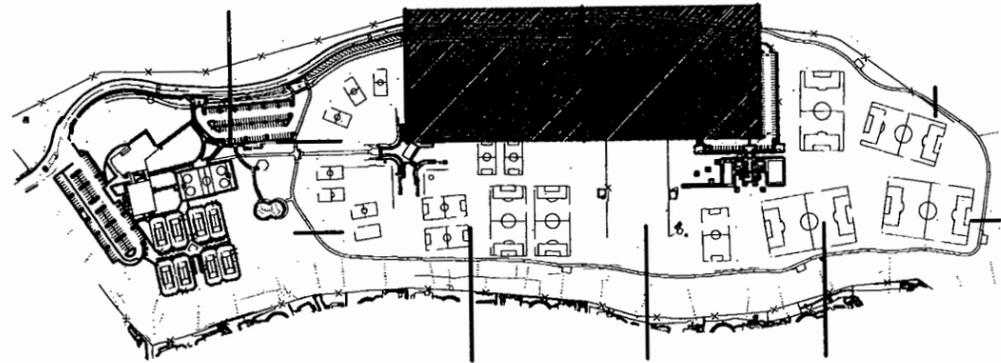
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DRAWN BY: BKR
CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 13 OF 22
L202

KEY MAP



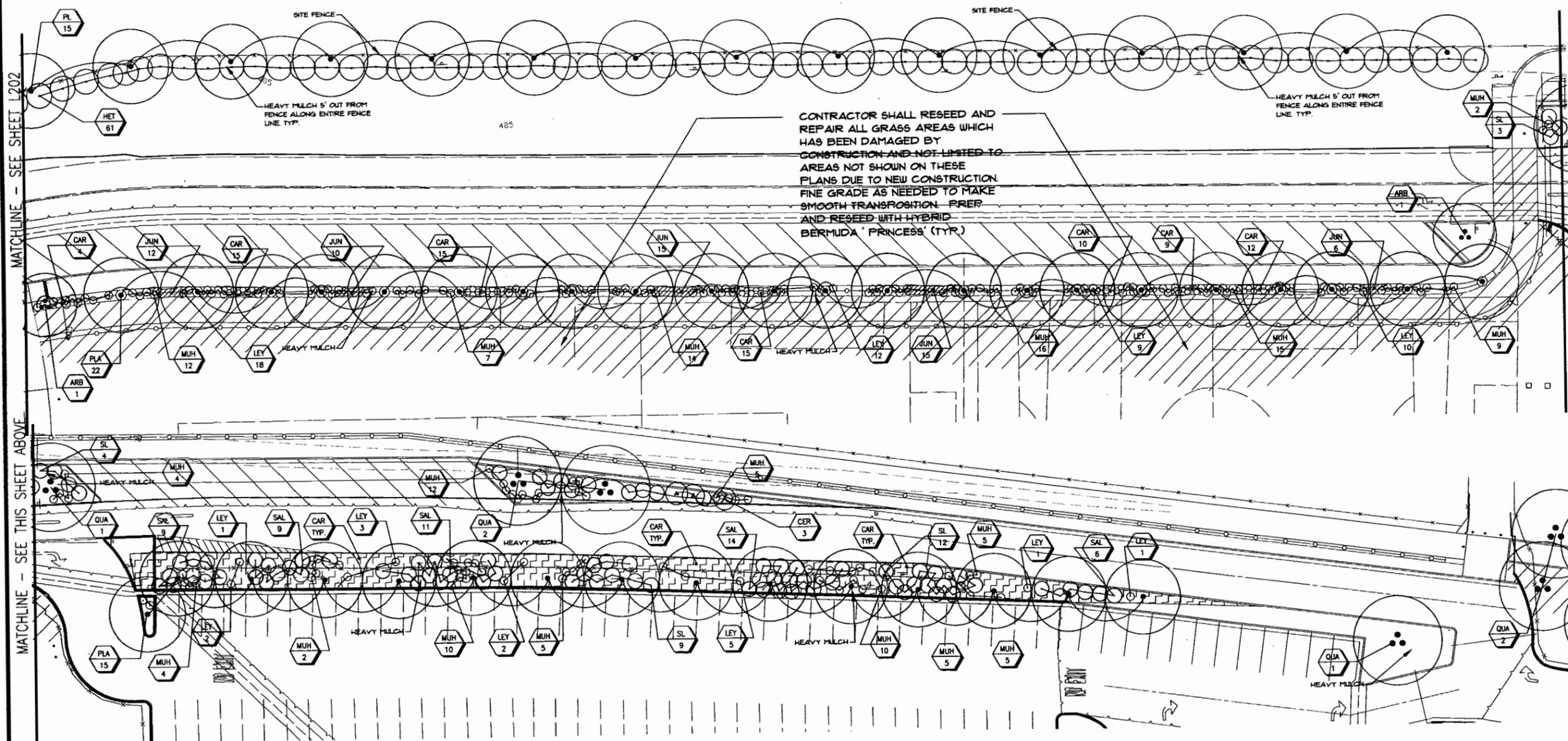
Lawrence R
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GLENDALE CA 91208
818 248 5200
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LIC. 1201

PLANTING PLAN

BID PACKAGE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.



MATCHLINE - SEE SHEET L202

MATCHLINE - SEE THIS SHEET ABOVE

MATCHLINE - SEE THIS SHEET BELOW

MATCHLINE - SEE SHEET L204

SHEET TITLE

PROJECT TITLE

DATE

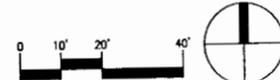
REVISIONS

DRAWN BY: EKR
CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 14 OF 22

L203



PLANTING PLAN

BID PACKAGE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

PROJECT TITLE

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CHECKED BY: LRM

PROJECT NO. 15-7900

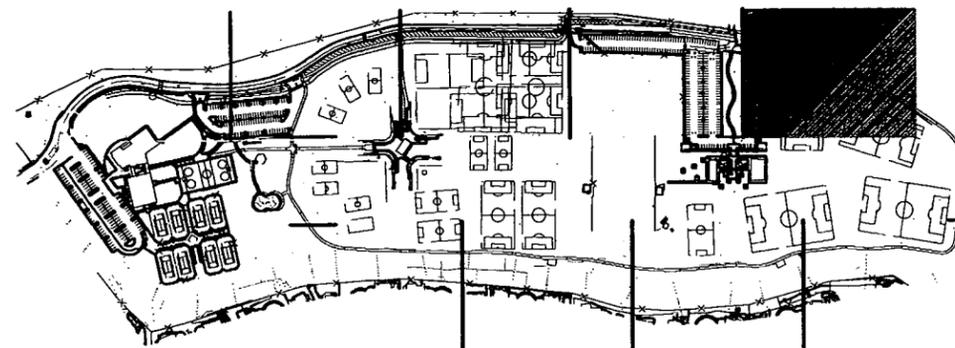
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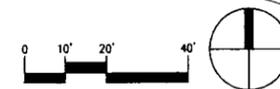
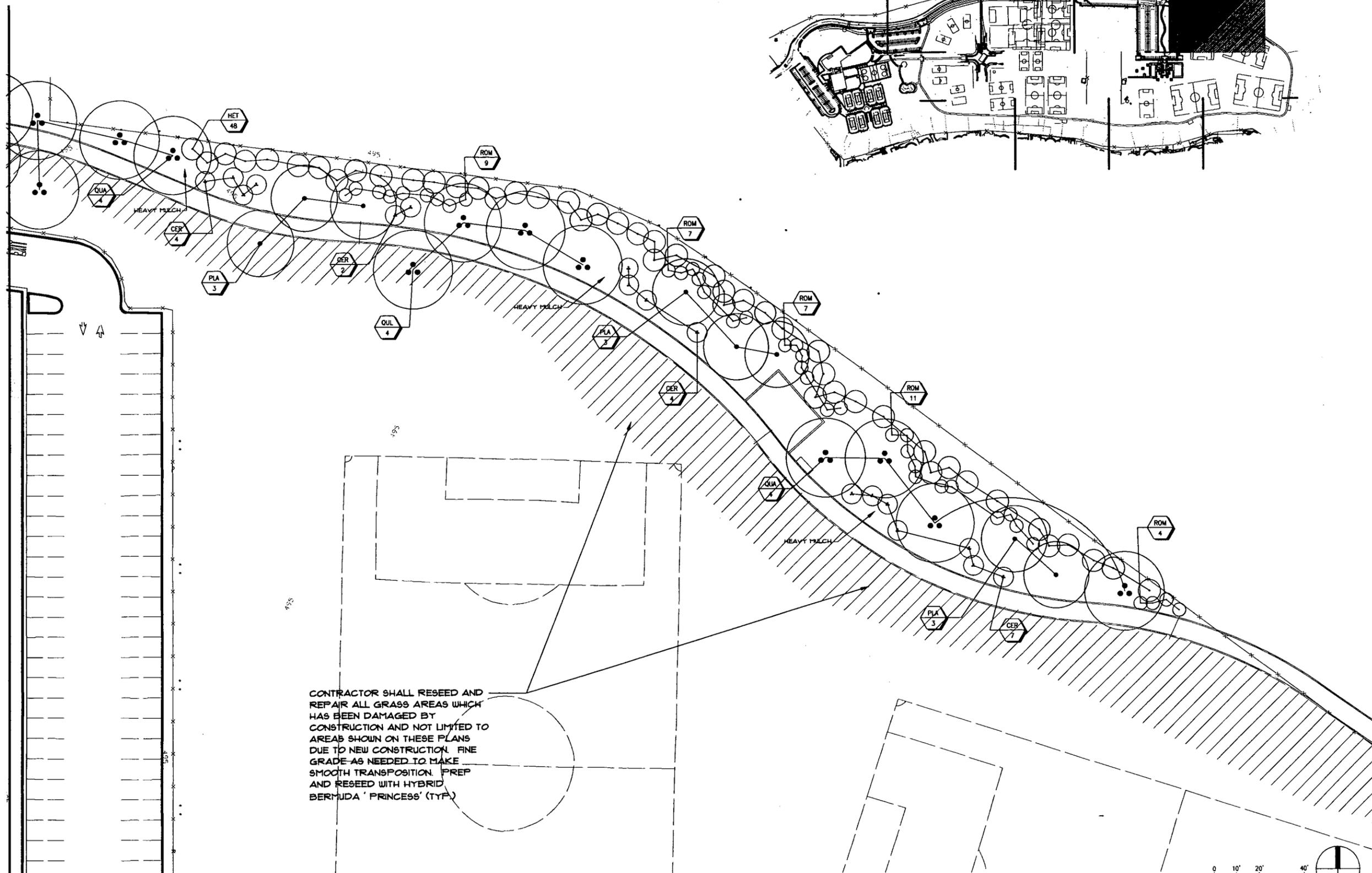
SHEET 15 OF 22

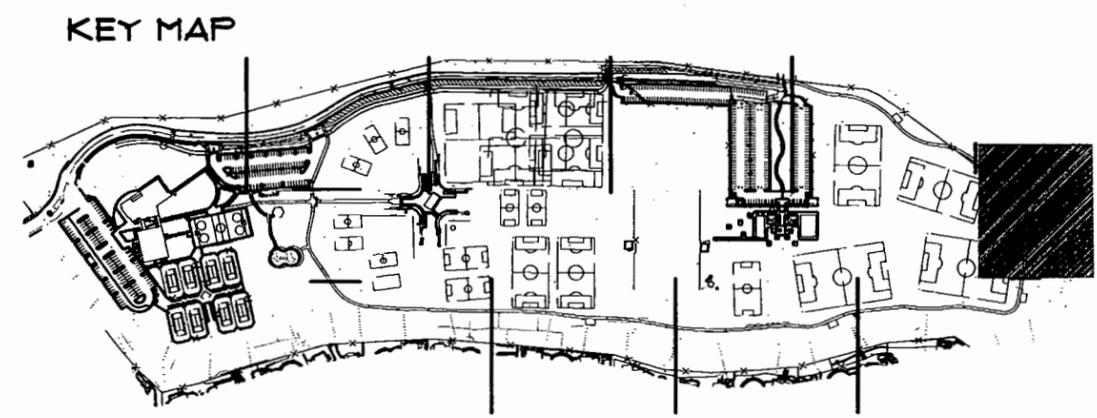
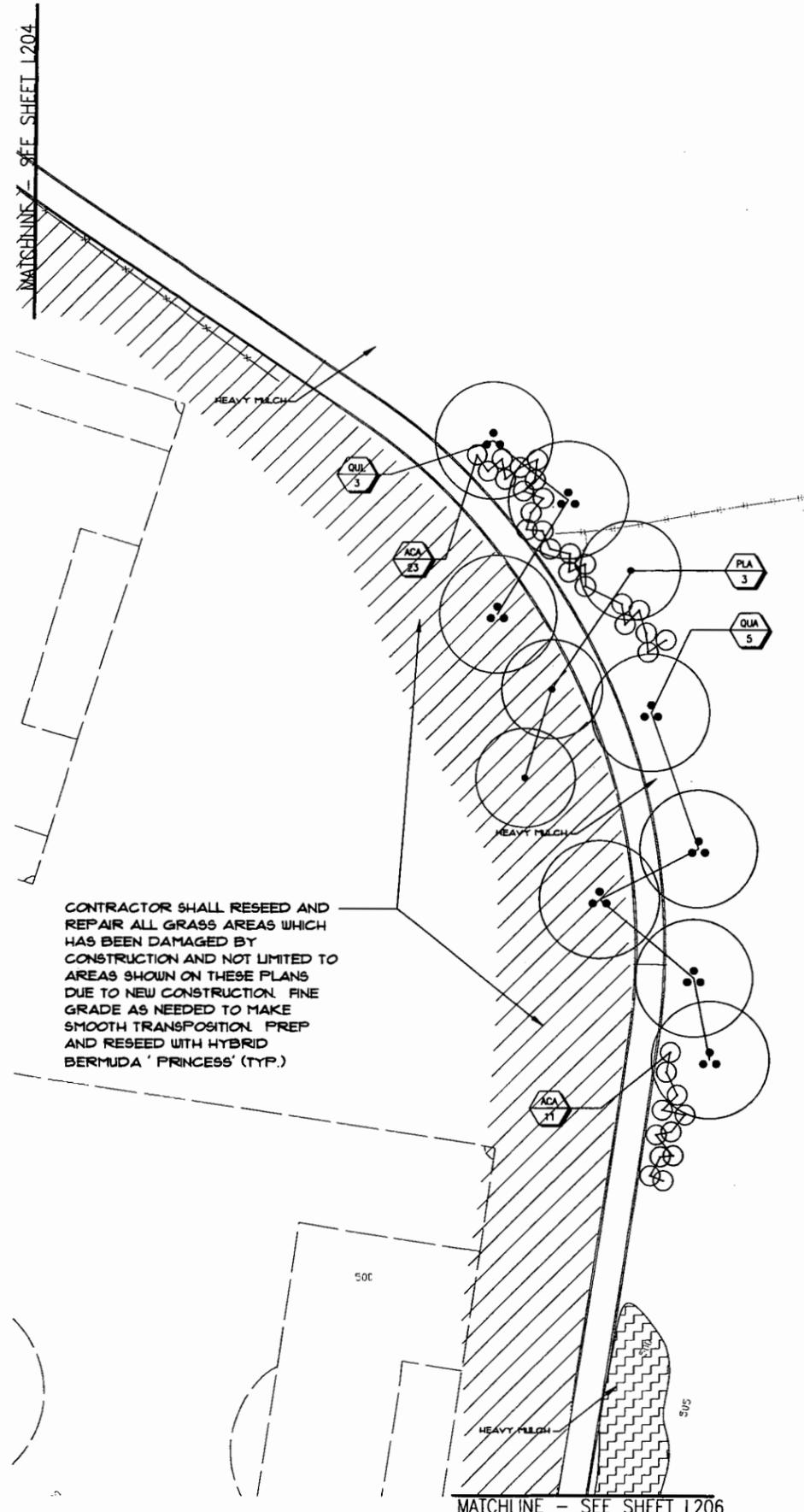
L204

KEY MAP



MATCHLINE - SEE SHEET L203





MATCHLINE - SEE SHEET L204

MATCHLINE - SEE SHEET L206

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LANDSCAPE ARCHITECTURE
LIC. 1201

SHEET TITLE
PLANTING PLAN
BID PACKAGE

PROJECT TITLE
**ARROYO VISTA PARK
TRAIL PROJECT**
4550 TIERRA REJADA RD
MOORPARK, CA.

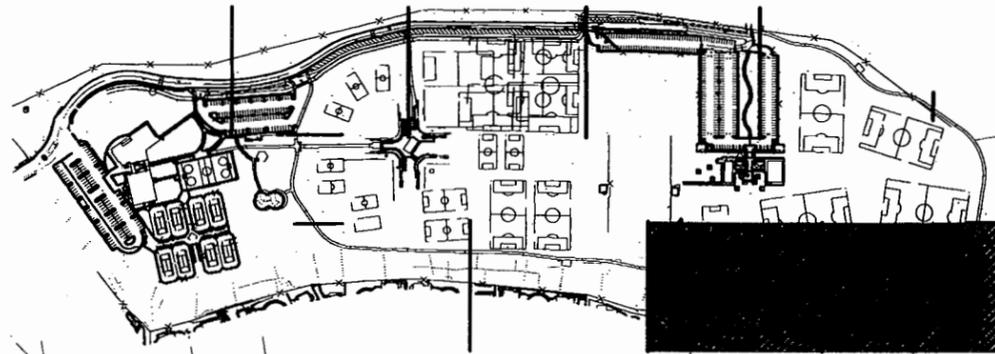
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DRAWN BY: BKR
CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



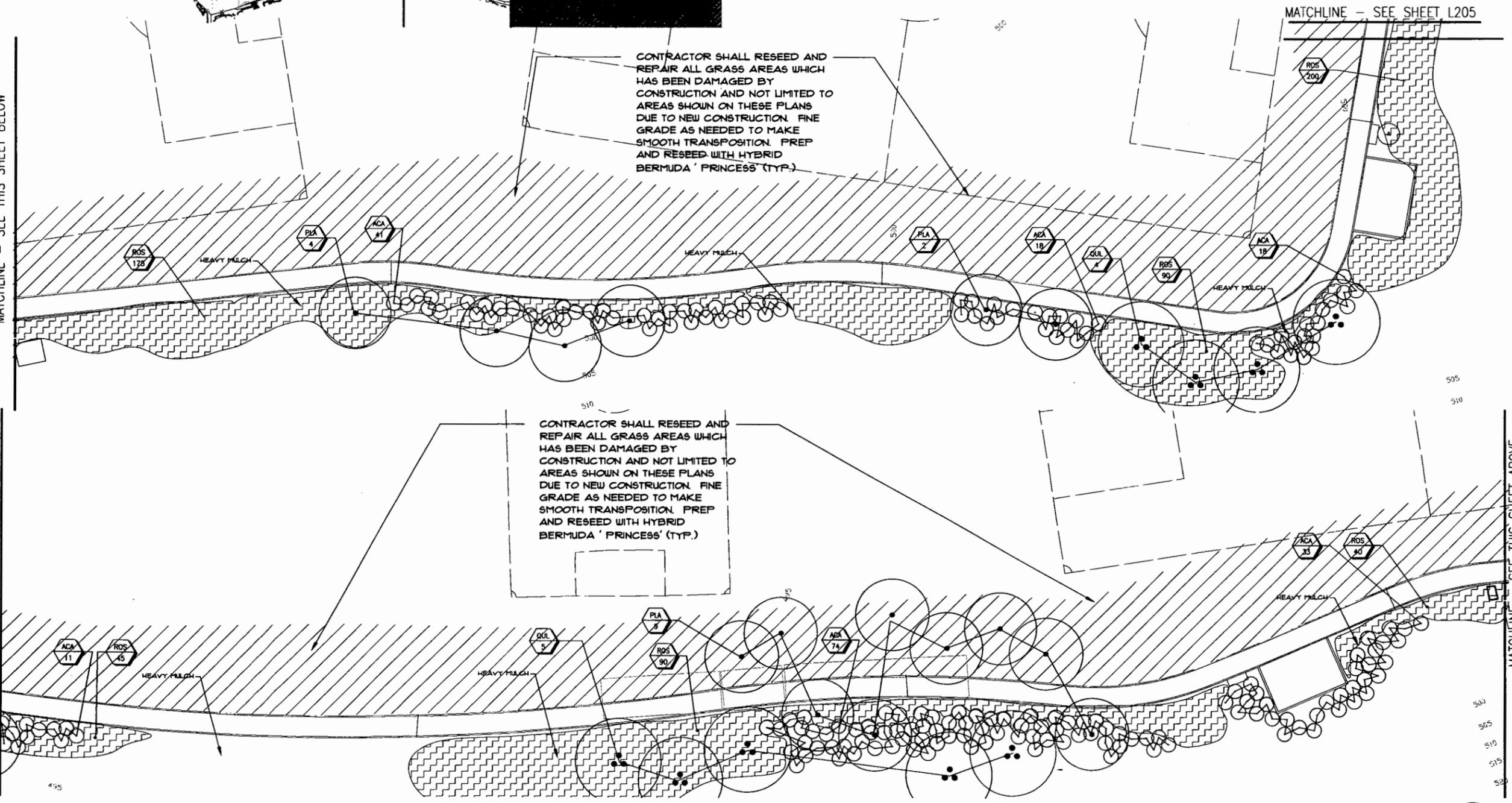
SHEET 16 OF 22
L205

KEY MAP



MATCHLINE - SEE THIS SHEET BELOW

MATCHLINE - SEE SHEET L207



CONTRACTOR SHALL RESEED AND REPAIR ALL GRASS AREAS WHICH HAS BEEN DAMAGED BY CONSTRUCTION AND NOT LIMITED TO AREAS SHOWN ON THESE PLANS DUE TO NEW CONSTRUCTION. FINE GRADE AS NEEDED TO MAKE SMOOTH TRANSPOSITION. PREP AND RESEED WITH HYBRID BERMUDA 'PRINCESS' (TYP.)

CONTRACTOR SHALL RESEED AND REPAIR ALL GRASS AREAS WHICH HAS BEEN DAMAGED BY CONSTRUCTION AND NOT LIMITED TO AREAS SHOWN ON THESE PLANS DUE TO NEW CONSTRUCTION. FINE GRADE AS NEEDED TO MAKE SMOOTH TRANSPOSITION. PREP AND RESEED WITH HYBRID BERMUDA 'PRINCESS' (TYP.)

MATCHLINE - SEE SHEET L205

MATCHLINE - SEE THIS SHEET ABOVE



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LANDSCAPE ARCHITECTURE
C.C. 1201

SHEET TITLE
PLANTING PLAN
BID PACKAGE

PROJECT TITLE
**ARROYO VISTA PARK
TRAIL PROJECT**
4550 TIERRA REJADA RD
MOORPARK, CA.

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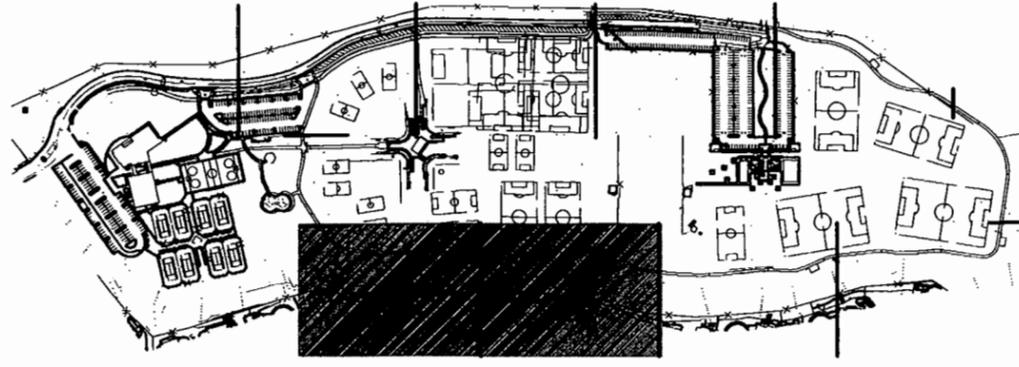
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CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 17 OF 22

L206

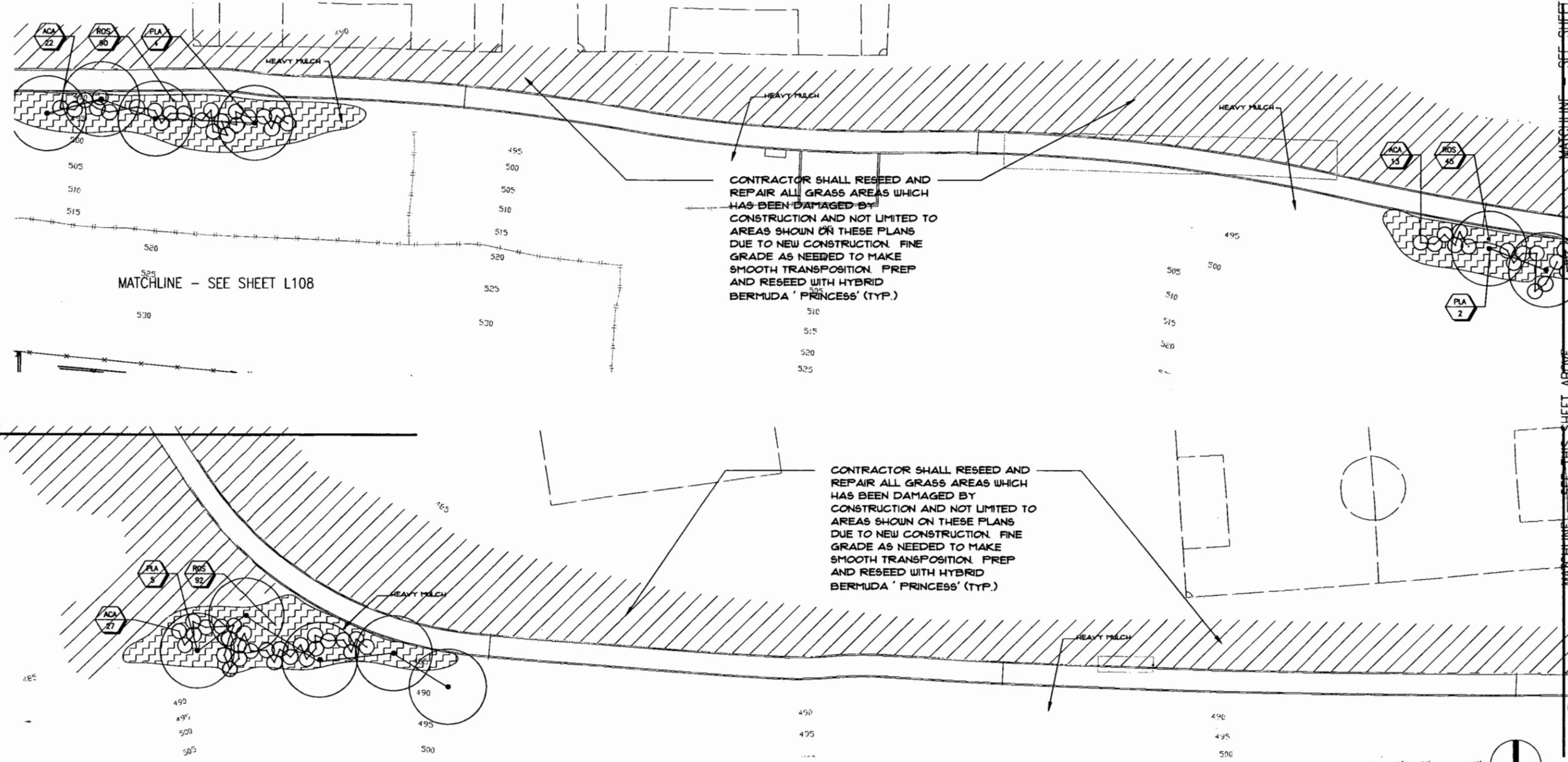
KEY MAP



MATCHLINE - SEE THIS SHEET BELOW

MATCHLINE - SEE SHEET L206

MATCHLINE - SEE THIS SHEET ABOVE



MATCHLINE - SEE SHEET L108

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LIC. 1207

PLANTING PLAN

BID PACKAGE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

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DRAWN BY: BKR
CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 18 OF 22

1207



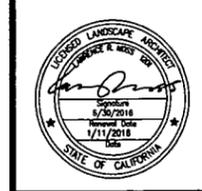
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818 248 5200
LANDSCAPE ARCHITECTURE
LIC. 1201

SHEET TITLE
PLANTING PLAN
BID PACKAGE

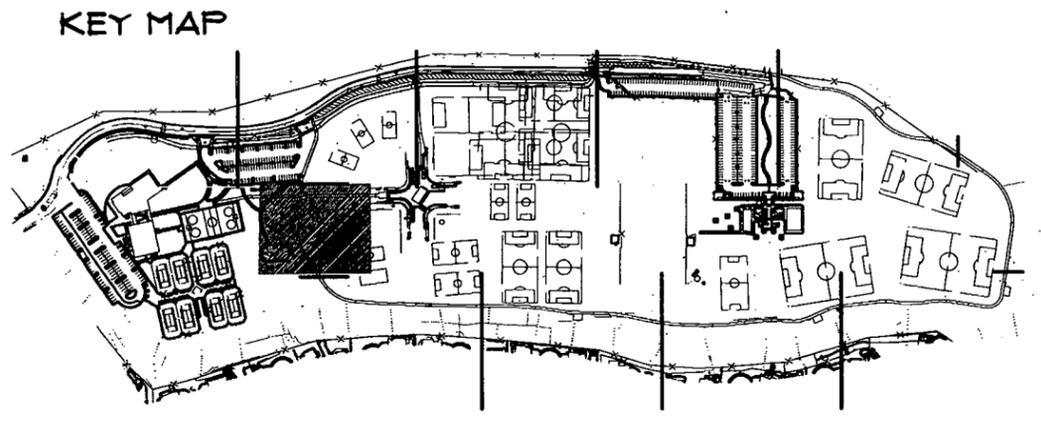
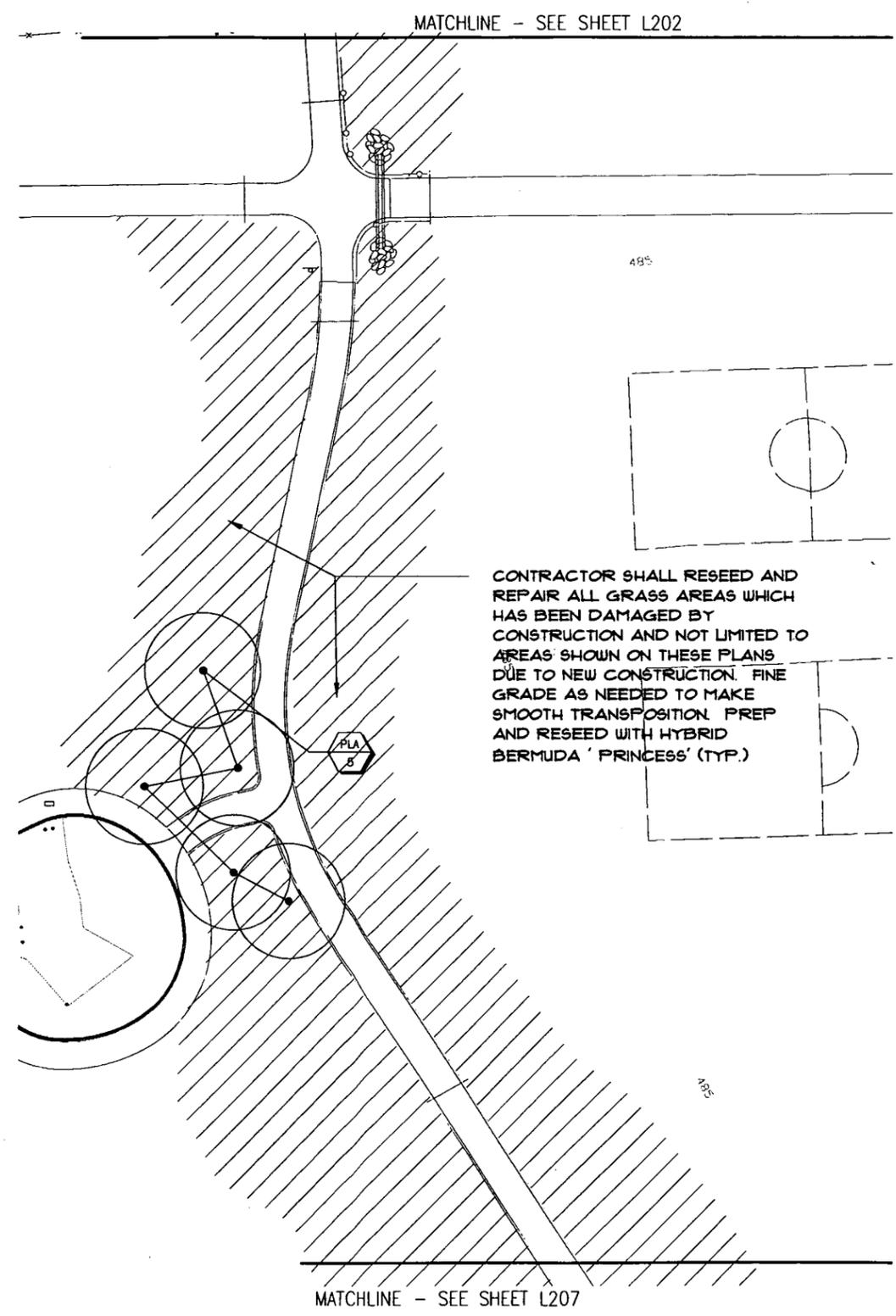
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**ARROYO VISTA PARK
TRAIL PROJECT**
4550 TIERRA REJADA RD
MOORPARK, CA.

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PROJECT NO. 15-7900
DATE: 1/11/2016

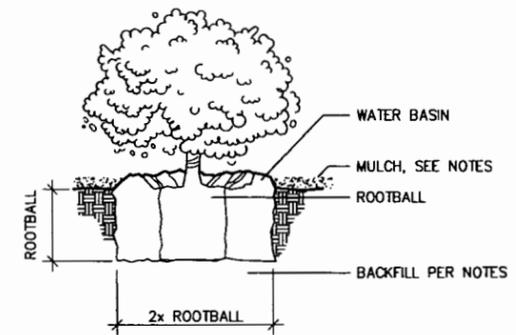


SHEET 19 OF 22
L208

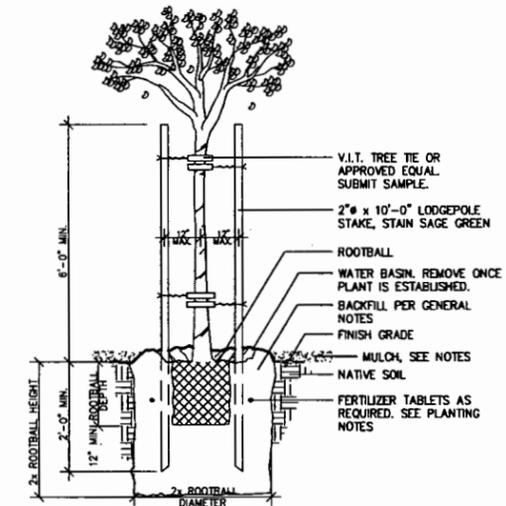


PLANTING NOTES

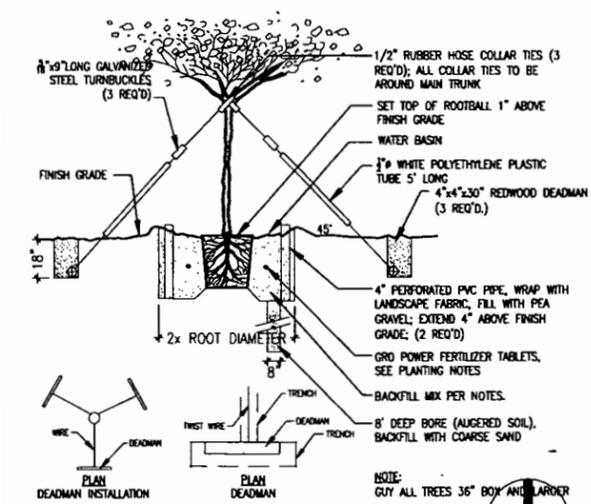
1. THE PLANTING DRAWING IS DIAGRAMMATIC. THE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES, LOCATIONS AND CONDITIONS OF THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL INSTALL AND MAINTAIN LANDSCAPE PLANTING IN ACCORDANCE WITH ALL APPLICABLE POLICIES/GUIDELINES OF THE OWNER UNLESS NOTED OR DIRECTED OTHERWISE BY THE CLIENT REPRESENTATIVE. ANY AND ALL DISCREPANCIES SHOULD BE BROUGHT TO THE ATTENTION OF THE CLIENT AND LANDSCAPE ARCHITECT PRIOR TO SUBMITTING A BID. IN THE EVENT THAT THIS NOTIFICATION IS NOT GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY NECESSARY REVISIONS.
2. PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (U.S.A.) NUMBER BY CALLING 1-800-227-2600. TWO (2) WORKING DAYS SHALL BE ALLOWED AFTER THE U.S.A. NUMBER IS OBTAINED AND BEFORE THE EXCAVATION WORK IS STARTED SO THAT UTILITY OWNERS CAN BE NOTIFIED.
3. AT THEIR OWN EXPENSE, THE CONTRACTOR SHALL REPAIR OR REPLACE ALL PROPERTY OR ITEMS DAMAGED BY THEIR WORK TO ITS ORIGINAL CONDITION.
4. THE CONTRACTOR SHALL PROVIDE A SUBMITTAL OF ALL PLANTING RELATED MATERIALS TO THE CLIENT REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO: TREE PROTECTION MATERIALS, SOIL REPORT FOR EXISTING SOIL, SOIL REPORT FOR ALL IMPORTED SOIL, SOIL AMENDMENTS, FERTILIZERS, HERBICIDES, PESTICIDES, MULCH, STAKING/GUYING MATERIALS, ROOT BARRIERS AND NURSERY RECEIPTS.
5. ALL EXISTING PLANT MATERIAL TO BE REMOVED EXCEPT WHERE NOTED ON PLAN.
6. NOTE ADDITIONAL REMARKS ON SPECIFIC PLANTS IN PLANT LIST.
7. PRIOR TO PLANTING, ALL PLANTED AREAS SHALL RECEIVE THE FOLLOWING AMENDMENTS PER 1,000 SQ. FT. OF SURFACE AREA. ROTO-TILL AMENDMENTS TO A DEPTH OF 6". NOTE: BASED ON SOIL REPORT DATA, ADDITIONAL SOIL AMENDMENTS MAY BE REQUIRED.
 - *150 LBS. GRO-POWER
 - *3 CU YDS NITROGENIZED, MINERALIZED FIR BARK OR REDWOOD SHAVINGS
 - *ADD 8 LBS OF GRO-POWER CONTROLLED RELEASE 12-8-8 PER CU YD OF MIX
 - *PROVIDE GRO-POWER PLANT TABLETS AT THE FOLLOWING RATES:
2=1 GALLON; 5=5 GALLON; 10=15 GALLON; 14=24" BOX. PLACE RECOMMENDED TABLETS BETWEEN THE BOTTOM AND THE TOP OF THE ROOT BALL BUT NO HIGHER THAN 1/3 OF THE WAY UP TO THE TOP OF THE ROOT BALL. SPACE TABLETS EQUALLY AROUND THE PERIMETER OF THE ROOT BALL APPROXIMATELY 2" FROM THE ROOT TIPS.
 - *CONTRACTOR SHALL PROVIDE SOIL SAMPLES TO BE TESTED FOR AGRICULTURAL SUITABILITY. CONTRACTOR WILL TAKE A MINIMUM OF FOUR ALONG THE BOTTOM OF THE HILLSIDE EQUALLY SPACE AND ONE IN EACH PROPOSED PLANTER.
8. PRIOR TO PLANTING EXCAVATION, THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE PLANT MATERIAL AND LOCATION. THE CONTRACTOR SHALL "STAGE" THE PLANTS IN THEIR PROPOSED PLANTING LOCATION STILL IN THE NURSERY CONTAINER FOR INSPECTION AND APPROVAL BY THE CLIENT REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE NURSERY RECEIPTS FOR ALL PLANT MATERIAL AT THE TIME OF INSPECTION ON THE PROJECT SITE.
9. PLANT HOLE TO BE TWICE AS WIDE AND DEEP AS THE PLANT ROOT BALL. BACKFILL AND COMPACT TO 80% WITH 60% APPROVED SOIL MATERIAL AND 40% NITROGENIZED COMPOST MATERIAL PER SPECIFICATIONS, UNLESS OTHERWISE NOTED.
10. LINEAR TYPE (NOT CIRCULAR) "DEEP ROOT" BARRIERS ARE TO BE USED FOR ALL TREES LOCATED WITHIN 5 FT. OF PAVING. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
11. FINISH GRADE TO BE 1" BELOW ALL WALKS, CURBS, AND PAVING.
12. ALL PLANTING AREAS ARE TO RECEIVE A MINIMUM 2" LAYER OF MULCH AS NOTED IN CONTRACT DOCUMENTS, UNLESS OTHERWISE DIRECTED. THE TOP OF MULCH SURFACE SHALL ALSO BE 1" BELOW ALL WALKS, CURBS AND PAVING AS STATED IN NOTE #11. MULCH THROUGHOUT ALL PLANTERS AND A MINIMUM OF 10' BEHIND/ ABOVE THE LAST TREE PLANTED ON OR ALONG THE HILLSIDE.
13. AFTER PLANTING, ALL PROPOSED SHRUB AND GROUND COVER AREAS ARE TO BE TREATED WITH A PRE-EMERGENT WEED KILLER (EPTAM / RONSTAR). APPLY PER MANUFACTURER'S SPECIFICATIONS: A) IMMEDIATELY AFTER PLANTING, B) AT THE BEGINNING OF THE MAINTENANCE PERIOD, AND C) AT THE END OF THE MAINTENANCE PERIOD.
14. THE CONTRACTOR SHALL WARRANTY ALL SHRUB AND GROUND COVER PLANT MATERIAL FOR 90 DAYS AND TREES FOR 1 YEAR FROM THE DATE OF ACCEPTANCE BY CLIENT REPRESENTATIVE. THE CLIENT REPRESENTATIVE SHALL BE THE SOLE JUDGE OF THE CONDITIONS OF ACCEPTABILITY. THE CONTRACTOR SHALL REPLACE ALL VEGETATION NOT DISPLAYING A HEALTHY, VIGOROUS CONDITION OF ACTIVE GROWTH DURING THIS WARRANTY PERIOD AT THEIR OWN EXPENSE.
15. REFER TO GENERAL NOTES FOR ADDITIONAL INFORMATION ON THIS SECTION OF WORK.
16. CONTRACTOR SHALL REPAIR ALL AREAS AFFECTED BY THE CONSTRUCTION. LAWN REPAIR CONTRACTOR SHALL PREP AND FINE GRADE PRIOR TO OVER SEEDING WITH HYBRID BERBERA "PRINCESS" VARIETY.



(A) SHRUB PLANTING
SCALE: N.T.S.
FILE: 0_PLA001



(B) TREE STAKING
SCALE: N.T.S.
FILE: 0_PLA003



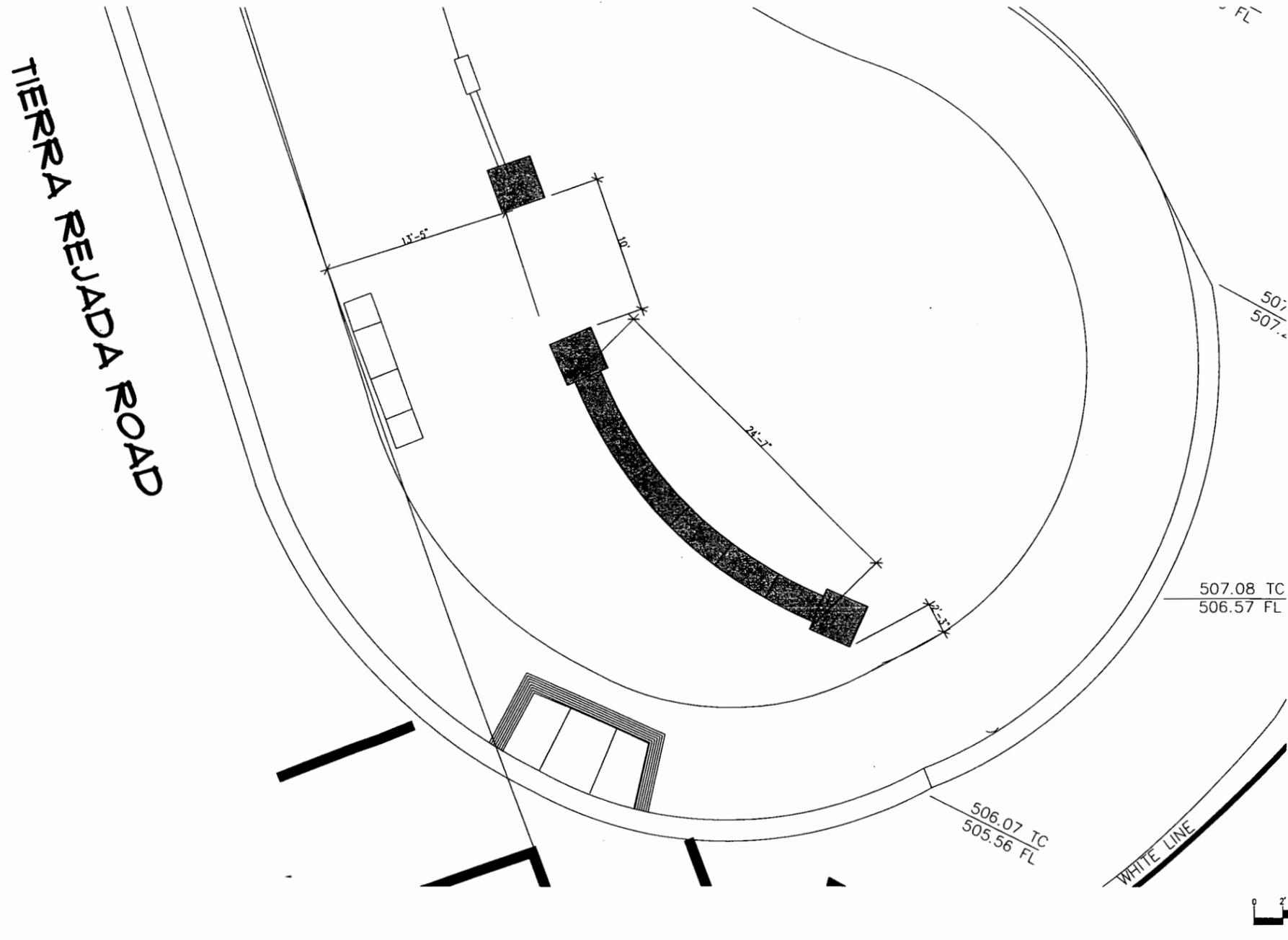
(C) TREE GUYING
SCALE: N.T.S.
FILE: 0_PLA009

DATE	REVISIONS	DRAWN BY:	CHECKED BY:	PROJECT NO.	DATE:
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NOTES:

- CONTRACTOR TO PROVIDE SHOP DRAWINGS/ENGINEERING FOR ALL STRUCTURAL AND SUBMIT TO CITY FOR APPROVAL.
- 1" RAISED LETTERING MEASURED FROM THE FACE OF THE WALL. THE LETTERS SHALL BE 1/4" THICK OR #3 GAUGE "CORTEN STEEL." DRILL 8" DEEP BY 1/2" WIDE SLEEVES TO RECEIVE 3/8" STAINLESS STEEL DOWELS. WELD DOWELS AS NEEDED TO LETTERING AND EPOXY TO WALL TO SECURE. TIMES ROMAN FONT LETTERING. PROVIDE SAMPLE.
- SUBMIT STONE SAMPLES FOR APPROVAL.
- GRAFFITI-PROOF ALL SURFACES PER SPECIFICATIONS. SUBMIT SAMPLE FOR APPROVAL.
- COLOR TO BE SELECTED FOR GROUTING BETWEEN STONES. SUBMIT SAMPLE FOR APPROVAL.
- DRAWING IS DIAGRAMMATIC. CONTRACTOR TO VERIFY ALL CONDITIONS AND LOCATIONS ON SITE PRIOR TO THE START OF CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY IF ANY ERRORS OR DISCREPANCIES ARE FOUND BEFORE PROCEEDING WITH ANY WORK. (VERIFY PLACEMENT OF SIGN).
- DO NOT SCALE DRAWINGS. USE DIMENSIONS AS INDICATED ON PLAN.
- DO NOT WILLFULLY PROCEED WITH CONSTRUCTION WHEN IT IS OBVIOUS THAT OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN APPARENT DURING DESIGN. OBTAIN DIRECTION BEFORE PROCEEDING WITH CONSTRUCTION IN SUCH CASES.
- THE LOCATION OF ALL SERVICE LINES, SUCH AS WATER SUPPLY, ELECTRICAL (OVERHEAD AND UNDERGROUND), TELEPHONE, SANITARY SEWER, ETC. SHOULD BE ASCERTAINED BEFORE WORK IS STARTED. WHERE THEY WILL BE AFFECTED BY EXCAVATION OR WHERE MACHINES MAY BE WORKING NEARBY, THEY SHOULD BE CAREFULLY SEALED, PROTECTED, OR DIVERTED. NOTIFY LANDSCAPE ARCHITECT OF ANY CONFLICT WITH PROPOSED IMPROVEMENTS.
- REFER TO PLANS AND SPECIFICATIONS FOR ADDITIONAL NOTES AND INFORMATION REGARDING THE CONSTRUCTION OF THIS PROJECT.
- OBTAIN INSPECTION AND APPROVAL OF ALL FORMS PRIOR TO PLACING CONCRETE.
- CLEAN UP AND REMOVE ALL DEBRIS FROM SITE PRIOR TO REQUESTING FINAL APPROVAL. GRADE ALL AREAS WITHIN .5 INCH OF FINISH GRADES. NOTE AREAS OF ADDITIONAL GRADING SHOWN.
- CAST BRONZE MOORPARK CITY SEAL IN FLAT RELIEF, SIZE 18" DIA. BY 5/16" THICKNESS PER CITY SUPPLIED CAMERA READY, BLACK AND WHITE ART. ALL BLACK LINES IN RAISED RELIEF AND SATIN FINISH. COLOR INFILL RECESSED AREAS IN 7 CUSTOM PAINT COLORS PLUS WHITE PER CITY STANDARDS. FINISH WITH CLEAR ACRYLIC URETHANE. DRILL AND TAP BACK FOR 14-20 ALL-THREAD STUDS FOR BLIND MOUNT. FLUSH WITH ADJACENT STONE. PROVIDE SAMPLE FOR APPROVAL.



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LIC. 1201

ENTRY SIGN
LAYOUT PLAN

BID PACKAGE

SHEET TITLE

ARROYO VISTA PARK
TRAIL PROJECT
4550 TIERRA REJADA RD
MOORPARK, CA.

PROJECT TITLE

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DRAWN BY: BWR
CHECKED BY: LRM
PROJECT NO. 15-7900
DATE: 1/11/2016



SHEET 21 OF 22

L301

